

FOR WOODEN WORKS

PREQUALIFICATION FILE

INDEX

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INTRODUCTION

We have pleasure in introducing **DAR Metal Industries – Wood Division** to you, in the hope that we will have mutually beneficial business opportunities. **DAR Metal Industries - Wood Division** is a contracting firm engaged in Design, Engineering, Manufacture, Supply and installation of:

- ❖ Wooden Doors
- ❖ Wooden Parquet
- ❖ Wooden Cabinet & Wooden Vanities
- ❖ Wooden Pergola
- ❖ Wooden Cladding & Wooden Handrails
- ❖ Wooden Counter

The company was created with objective of providing cost effective solutions to the varied needs of clients for structural & architectural metal and glazing works, under one umbrella. Our capability to provide most economical solutions to the requirements of our clients, however complex it may be, maintaining the required quality and specification is our specialty and, that is exactly what we offer. It will enable us to make competitive quotes to our clients and secure more business.

Our sales target is constantly increasing. With the expansion program we have embarked on, adding new machinery & equipment, opening new factories and increasing our work force, we intend to enhance our production capacity.

We are very keen about developing our partnership for our mutual benefit.

We assure you always of our best attention & service.

DAR metal Industry Co (Wood Division) , is one of Saudi leading manufacturers of premium quality architectural, commercial and residential wooden Works. Our mission is to create truly great work with a new and unique value and to provide the best customer service. DAR offers a blended product portfolio that delivers interior wooden work products to suit a wide range of specifications.

Any Wood, Any Design



We offer customized design service for the customer with a special request on door design.

Drawing Design Service



We believe that drawings are the most effective way to show every detail of your project.

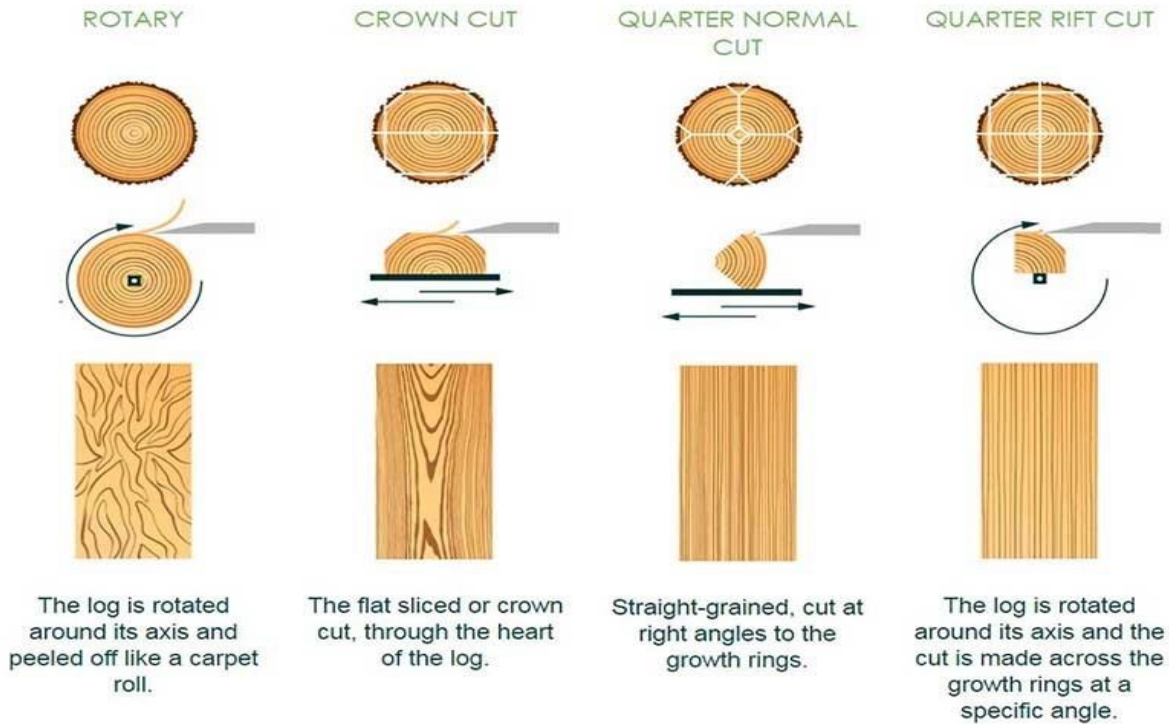
Full Process Quality Control



We take full-process quality control for production. Our team will secure your project successfully.

Introduction of wooden and veneer architecture

1. Veneer Cut Types and pattern



2. Qualities of Wood

Timber is the type of wooden material used for construction and furniture. Best quality timber comes from matured trees. However, to fulfill its function, timber needs to have certain qualities. Additionally, it needs to be devoid of any defects or imperfections.

1) Appearance:

Freshly cut timber gives off a sweet smell and shining appearance, which are signs of high quality.

2) Color:

It should also have a dark color. Light color usually indicates less strength.

3) Durability:

High-quality timber is remarkably durable. It should be resistant to climatic changes, pests such as termites, and fungal attacks. There are 5 classes of natural durability to resistance against wood-destroying fungi.

- Class 1 – Very Durable
- Class 2 – Durable
- Class 3 – Moderately Durable
- Class 4 – Slightly Durable
- Class 5 – Not Durable

4) Elasticity:

Elasticity allows the wood to regain its original shape with maximum accuracy. This property plays a crucial role if the wood is to be used to make sports equipment.

5) Fibers:

The fibers should be straight, compact, and firm. Wood with twisted fibers possesses little strength, as opposed to wood with straight fibers.

6) Fire Resistance:

The wood should be resistant to fire. Usually, the denser the wood, the higher the resistance.

7) Hardness:

It should withstand deterioration due to mechanical wear and tear and physical abrasion.

8) Shape:

High-quality timber will always retain its shape and structural integrity during the seasoning or conversion process.

9) Sound:

When struck, a high-quality timber produces a clear ringing. A dull heavy sound, on the other hand, is an indication of internal decay.

10) Strength:

It should be able to withstand structural loads, especially in construction.

11) Toughness:

It should be able to endure shocks and vibrations. Usually, woods with narrow annual rings are the toughest.

12) Water Permeability:

Timber should have low water permeability. If the wood has higher permeability, it will readily absorb moisture, leading to rapid decay.



13) Weight:

Usually, heavy timbers are the toughest and hardest.

14) Workability:

The timber needs to be easily workable. Woods with a high resin content often tend to be less workable as they clog the teeth of the saw

3. Molding

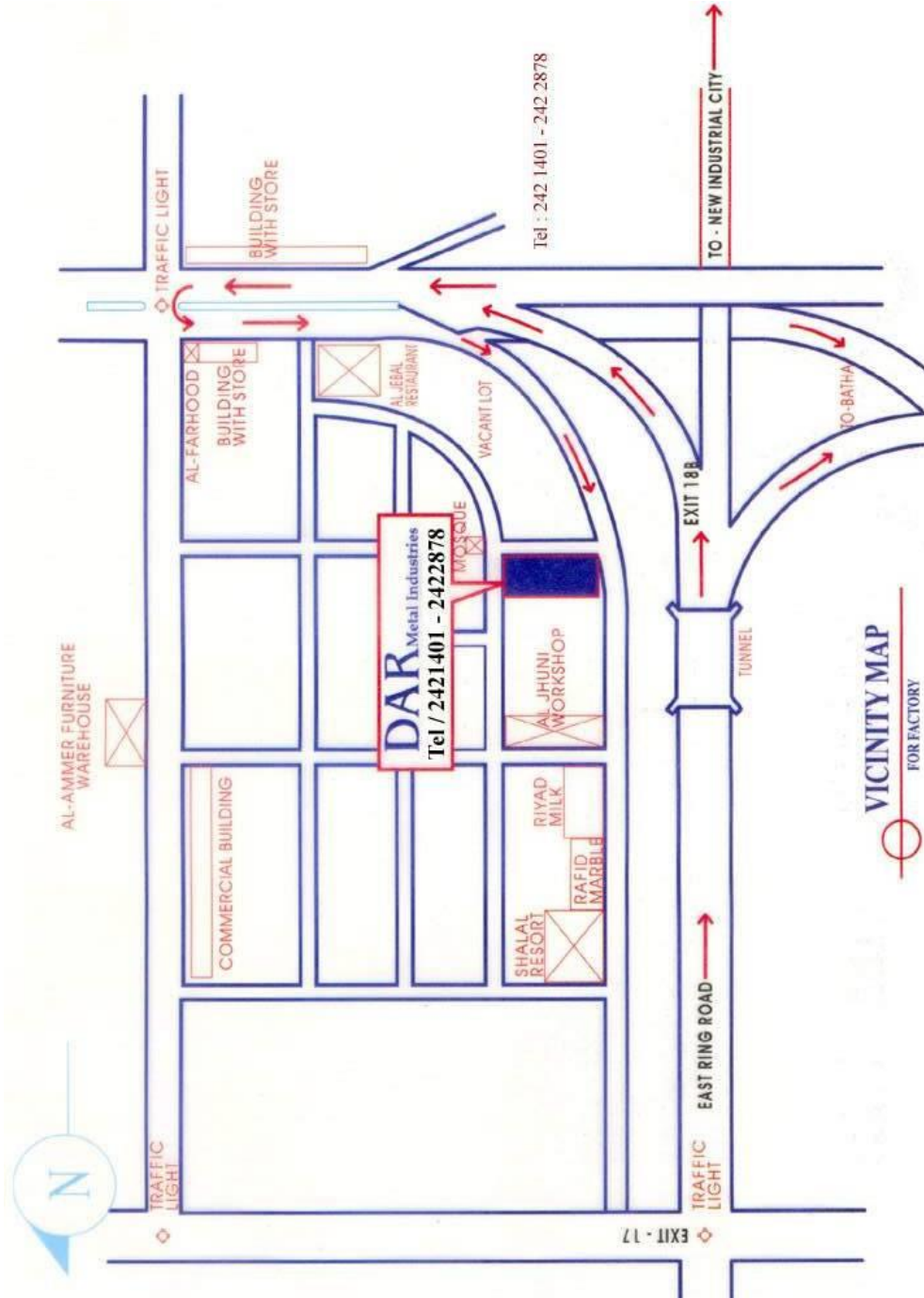
Spliced and cut timber is then molded to achieve the desired shapes and sizes.



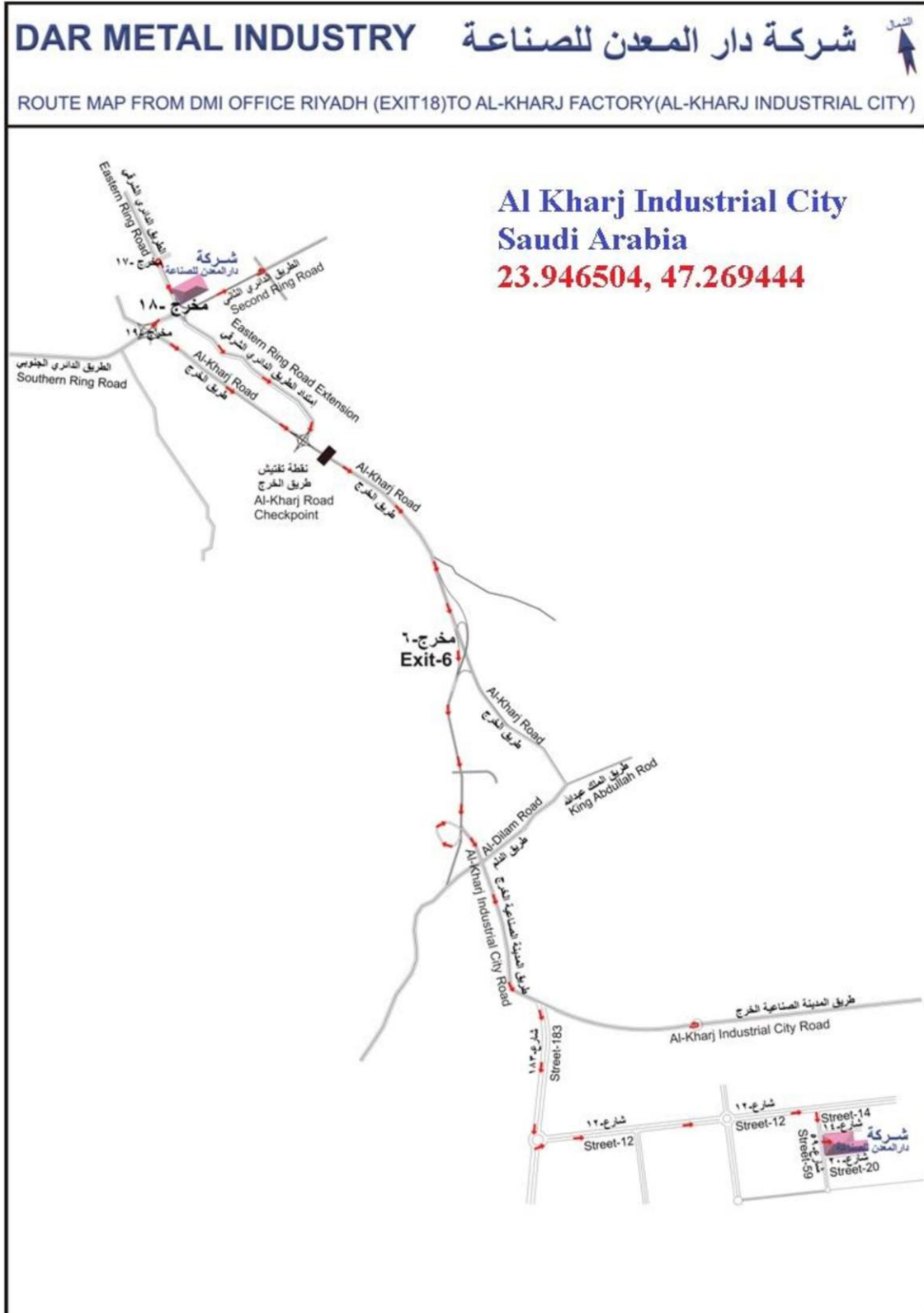
4. Some kind of wood and veneer:

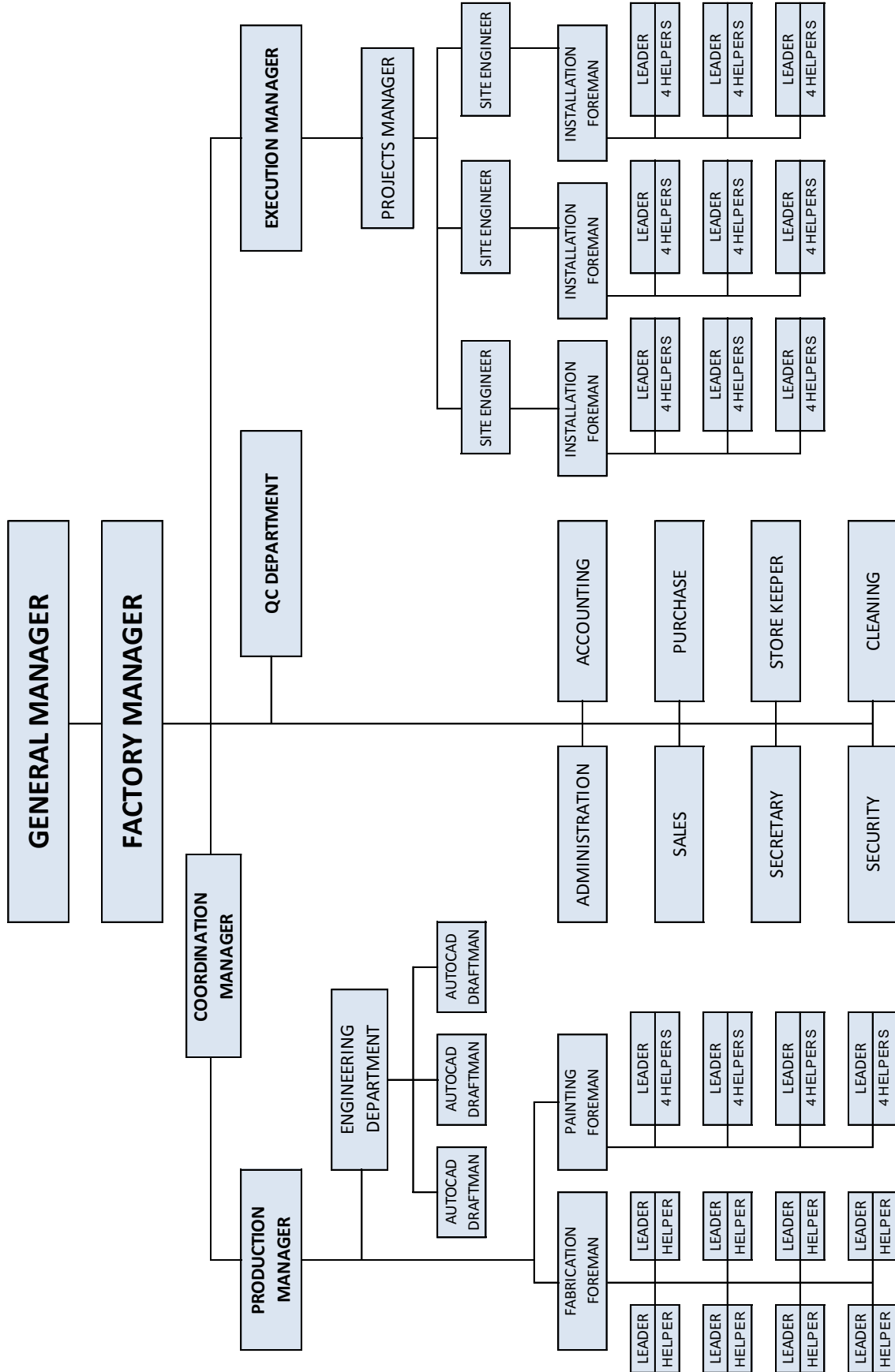


LOCATION: OFFICE - RIYADH



LOCATION: FACTORY - AL KHARJ





DAR METAL INDUSTRIES – RIYADH

MANPOWER DETAILS

| SL. # | DESCRIPTION | NUMBER OF STAFF |
|-------|--------------------------------|-----------------|
| 1 | ENGINEERS | 8 |
| 2 | SUPERVISORS | 10 |
| 4 | SKILLED LABOR | 62 |
| 5 | NON - SKILLED LABOR | 28 |
| 6 | QUALITY CONTROL | 5 |
| 7 | ADMINISTRATION / SUPPORT STAFF | 8 |
| 8 | FINANCE | 5 |
| 9 | SALES | 6 |
| 10 | TECHNICAL / CAD OPERATORS | 8 |
| | TOTAL | 140 |

Official Documents

- **Commercial Registration Certificate.**
- **Chamber of Commerce.**
- **Industrial investment License SAGIA.**
- **ISO Certificate.**
- **VAT Group Registration Certificate.**
- **Zakat Certificate.**
- **GOSI Certificate.**
- **Implementation of Saudiazation.**
- **FSC & LEED Certificate.**



الرقم: ١٠١٠٢٤٥٤٣
التاريخ: ١٤٣٨\١١\٠٧
٧٠٧٧٦٢٢٨

اسم الشركة: مصنع شركة دار المعدن للصناعة
نوعها: ذات مسئولية محدودة مختلطة
مركزها الرئيسي: حي النسلي صناعية - الفوزان - مخرج (١٨)
ص ٢٥٠١٨٣٣ - الرمز البريدي: ١١٣٩١ هاتف: ٢٤٢٠٩٥٨ فاكس: ٢٤٢١٤٠١
رقم سجل المركز الرئيسي: ٢٠٠٦٨٧ تاريخه: ١٤٢٥\٠٦\٢٣
مصدره: الريان

الاسم التجاري: فرع مصنع شركة دار المعدن للصناعة
العنوان: الخرج - المدينة الصناعية الثالثة (مدن)
ص ٢٥٠١٨٣٣ - الرمز البريدي: ١١٣٩١ هاتف: ٢٤٢٠٩٥٨ فاكس: ٢٤٢١٤٠١

النشاط: انتاج ابواب وشبابيك حديدية مزخرفة ودراجزيناك وأسوار حماية وخزانات وحاويات
صلب لايبدا. وابواب ونوافذ وواجهات. أمينوم. ومناجر ومستودعات حديدية وبيوت
جاهزة حديدية بموجب ترخيص الهيئة العامة للاستثمار رقم (١٠١٠٣٠٩٤٠٠١) وتاريخ
١٤٢١\٠٩\٢١ هـ وترخيس صناعي رقم (٣٨٧) وينتهي بتاريخ ١٤٤٠\١٢\١٩ هـ

الاسم المدير (رابعيا): محمد محمود سليمان
الجنسية: أمريكي

رقم السجل المدني: ٠٠
سلطات المدير: إدارة أعمال الفرع
يشهد مكتب السجل التجاري بمدينة: الرياض
وتنتهي صلاحية الشهادة في: ١٤٤١\١١\١٦ بموجب التسجيل رقم: ١٣٩٤٤٧٣٦١ وتاريخ: ١٤٣٩\٠٣\٠٣
الخسرج

مدير السجل التجاري للشركات: وليد عبدالله الرويشد
التوقيع: محمد عبدالمجيد

العلمي



١٤٣٩/٠٣/٠٣

شرفة الرياض

Riyadh Chamber

شهادة اشتراك

Unified Membership No. : 101000149588

Date of Issue : 10/08/2004

Classification : Second

Riyadh Chamber of Commerce and Industry certifies that:

DAR ALMA'ADN INDUSTRY CO.

Commercial Register No 1010200687

Registered for this year.

The Certificate expires on 02/07/2020

فاكس: 0112600156

هاتف: 0112600155

الرمز: 11391

ص.ب: 25018

مدير عام خدمات الاشتراكات

CE

رقم العضوية الموحد : ١٠١٠٠٠٠١٤٩٥٨٨

تاريخ الأصدار: ٢٠٠٤/٠٨/١٠

الدرجة: الثانية

تشهد الغرفة التجارية الصناعية بالرياض بأن :

شركة دار المعدن للصناعة

المقيدة بالسجل التجاري / الترخيص رقم ١٠١٠٢٠٠٦٨٧

مستقرة لديها لهذا العام .

وينتهي سريان هذه الشهادة في ٢٠٢٠/٠٧/٠٢ م

riyadhchamber

in f g+





(1010300940001)
تاريخ الإنشاء
1441/11/11 م
2020/07/02 م

رقم الترخيص
تاريخ الإصدار
1423/09/21 م
2002/11/26 م



الهيئة العامة للإستثمار
SAGIA

ترخيص استثمار صناعي
Industrial Investment License

المركز الرئيسي

حالة الترخيص: تعديل
اسم الترخيص مصنع شركة دار المعدن للصناعة (608659)
الكيان القانوني شركة ذات مسؤولية محدودة
الموقع الرياض
عدد العمالة (فرد) 1000
ش.ب. 250183
الرمز البريدي 11391

إجمالي التمويل (5,000,000) ريال سعودي
الهاتف +966544410001 الفاكس

+966112420958

الجهة المستثمر الجنبية
رقم المستثمر الجنبية 610371
النسبة المئوية 85%
الولايات المتحدة الأمريكية

اسم صاحب/ أصحاب الترخيص
محمد محمود سلمان

الجهة 15%
المستثمر الجنبية السعودية

رقم المستثمر الجنبية 608658
اسم صاحب/ أصحاب الترخيص
أيمن نجم عبد الله التويجري

الوحدة الكمية

البنود الجبركي المنتج

الوحدة

الكمية

البنود الجبركي المنتج

المركز الرئيسي كمقر إداري بمدينة الرياض



عنه إبراهيم بن صالح السويل
تاريخ التوقيع : 1439/01/07

تاريخ الطباعة 1439/01/13 المحافظ م. إبراهيم بن عبد الرحمن العمر

3 - 1

82154



78421

(101.030094001)
رقم الترخيص
تاريخ الإصدار
1441/11/11 م
2020/07/02 م

رقم الترخيص
تاريخ الإصدار
1423/09/21 م
2002/11/26 م



الهيئة العامة للاستثمار
SAGIA

ترخيص استثمار صناعي
Industrial Investment License

الفرع (421483)

حالة الترخيص: تعديل
اسم الترخيص
الكيان القانوني

فرع مصنع شركة دار المعدن للصناعة (608659)
شركة ذات مسؤولية محدودة

الموقع

إجمالي التمويل (5,000,000) ريال سعودي

ص.ب.

الرمز البريدي

الهاتف

+966

الفاكس

اسم صاحب/ أصحاب الترخيص
أيمن نجم عبدالله التويجري

رقم المستثمر الأجنبية
608658

الحصة
15%

اسم صاحب/ أصحاب الترخيص
محمد محمود سلمان

رقم المستثمر الأجنبية
610371

الحصة
85%

البيد الجبركي المنتج
73084000
94060033
73102900

الكمية
15000
60000
500

الوحدة
وحدة
وحدة
وحدة

البيد الجبركي المنتج
73083000
76101090
94060034

ابواب وشبابيك حديدية مزخرفة
ابواب ونوافذ وواجهات الألمنيوم
ببواب جاهزة حديدية

الكمية
7000
20000
15000

الوحدة
طن
وحدة
وحدة

المركز الرئيسي كمقر إداري بمدينة الرياض

عنه إبراهيم بن صالح السويل
تاريخ التوقيع : 1439/01/07

تاريخ الطباعة 1439/01/13 م المحافظ م. إبراهيم بن عبد الرحمن العمر

3 - 3

82156

ملاحظة: التعليمات الخاصة بهذا الترخيص موجودة على الجهة الخلفية
Note: Instructions supplementary to this license are on the reverse side.



(1010300940001)
رقم الترخيص
تاريخ الإصدار
م 1423/09/21
م 2002/11/26



الهيئة العامة للاستثمار
SAGIA

ترخيص استثمار صناعي
Industrial Investment License

الفرع (372676)

حالة الترخيص: تعديل
اسم الترخيص
الكيان القانوني
الموقع
عدد العمالة (فرد)
الرمز البريدي 11391
ص.ب 250183

فرع مصنع شركة دار المعدن للصناعة (608659)
شركة ذات مسؤولية محدودة

إجمالي التمويل (5,000,000) ريال سعودي
الهاتف
+966544410001
الفاكس

+966112420958

اسم صاحب/ أصحاب الترخيص
محمد محمود سلمان
رقم المستثمر الجنسية
610371
الولايات المتحدة الأمريكية
الحصة
85%

اسم صاحب/ أصحاب الترخيص
أيمن نجم عبدالله التويجري

رقم المستثمر الجنسية
608658
السعودية

الوحدة
متر مربع
متر مربع
متر مربع
الكمية
10000
10000
10000
البنود الجبركي المنتج
44090000
44186000
44182000
وحدة
متر مربع
متر مربع
متر مربع
خشب الأرزيات "الباركية"
أصعدة وموارث
أبواب

البنود الجبركي المنتج
44209090
44120000
44187000
الكمية
20000
10000
10000
الكمية
20000
10000
10000
منتج خشبية متنوعة
خشب متعاكس "إيلكاج" وخشب مطبق
"مليس"
ألواح الأرفيات المجمعة
المركز الرئيسي كمقر إداري بمدينة الرياض

عنه إبراهيم بن صالح السويل
تاريخ التوقيع : 1439/01/07

الهيئة العامة للاستثمار
SAGIA
الفرع - المنطقة الصناعية

تاريخ الطباعة 1439/01/13 م المحافظ م. إبراهيم بن عبد الرحمن العمر

3 - 2

82155



Quality Management System Certificate of Approval

This is to certify that the QMS of

Dar Metal Industries (Wood Division)

PO Box 250183, Riyadh 11391, Saudi Arabia

Has been assessed and found to meet the requirements of

ISO 9001:2015

This certificate is valid for the following scope of operations:

Design and Manufacturing of Furniture, Wall Cladding, Ceiling, Interior Decoration, Wooden Flush Doors, Panel Doors, Folding Doors and Fire Rated Doors; Folding Partition, Kitchen Cabinets, Closet Wardrobe, House Hold, Office & Post Formed Furniture; Stair Case, Handrails & Wooden Windows, Wood Skirting and Profiled Wooden Molding

Authorised by:

Stan Wright
Director

Date of Certificate Issue: 24 February 2019

Certificate Valid Until: 23 February 2022

Recertification audit before 24 January 2022. Certified since 24 February 2019.

This certificate is the property of SN Registrars (Holdings) Limited and remains valid subject to satisfactory annual Surveillance audits.

SN Registrars (Holdings) Limited

Certificate Number: DAS 86405255/31/Q Rev: 001

Registration House, 22b Church Street,
Rushden, Northamptonshire,
NN10 9YT, UK
Tel: +44 (0) 1933 381859
Email: enquiries@dascertification.co.uk
Web: www.dascertification.co.uk
Company number: 07659067





Occupational Health & Safety Management System

Certificate of Approval

This is to certify that the OHSMS of

DAR Metal Industries

PO Box 250183, Riyadh 11391, Saudi Arabia

Has been assessed and found to meet the requirements of

BS OHSAS 18001:2007

This certificate is valid for the following scope of operations:

Fabrication and Installation of Aluminum Windows, Doors, Structural Glazing, Cladding, Curtain Walls, Structural Steel & Stainless Steel Works

Authorised by:

Stan Wright
Director

Date of Certificate Issue: 04 February 2018

Certificate Valid Until: 07 December 2020

Recertification audit before 07 November 2020. Certified since 08 December 2017.

This certificate is the property of SN Registrars (Holdings) Limited and remains valid subject to satisfactory annual Surveillance audits.

SN Registrars (Holdings) Limited Certificate Number: DAS 88122284/31/O Rev: 001

Registration House, 22b Church Street,
Rushden, Northamptonshire,
NN10 9YT, UK
Tel: +44 (0) 1933 381859
Email: enquiries@dascertification.co.uk
Web: www.dascertification.co.uk
Company number: 07659067





الهيئة العامة للزكاة والدخل
GENERAL AUTHORITY OF ZAKAT & TAX

شهادة
CERTIFICATE

شهادة تسجيل مجموعة ضريبية في ضريبة القيمة المضافة
VAT Group Registration Certificate

تشهد الهيئة العامة للزكاة والدخل بأن المالك: شركة دار المعدن للصناعة
مسجلة في ضريبة القيمة المضافة بتاريخ: ١٤٣٩/٠٤/٠٦ ، وتحمل الرقم الضريبي: ٣٠٠٠٤٧٠٦٩٨١٠٠٠٣

عنوان المركز الرئيسي:

الحي: المعذر

المدينة: الرياض

الرمز البريدي: ١١٣٩١

صندوق البريد:

الهاتف: ٠٠٩٦٦٥٠٦٤٦٠٤١١

حافظ الهيئة العامة للزكاة والدخل

هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع





الهيئة العامة للزكاة والدخل
GENERAL AUTHORITY OF ZAKAT & TAX

المملكة العربية السعودية
الهيئة العامة للزكاة والدخل
GENERAL AUTHORITY OF ZAKAT & TAX
(١٨٥)

شهادة
CERTIFICATE

أعضاء المجموعة الضريبية:

| الرقم المميز | الإسم |
|--------------|-------------------------------------|
| ٣٠٠٣٢٥١٧٨٩ | شركة فن التركيبات المعدنية المحدوده |

نذارة
الدخل

حافظ الهيئة العامة للزكاة والدخل

هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع





1020111480

رقم الشهادة : ١٠٢٠١١١٤٨٠

التاريخ : ١٤٣٨/٠٨/١٧ هـ

الرقم المميز : ٣٠٠٠٤٧٠٦٩٨

شركة دار المعدن للصناعة



الهيئة العامة للزكاة والدخل
GENERAL AUTHORITY OF ZAKAT & TAX

المملكة العربية السعودية
الهيئة العامة للزكاة والدخل

GENERAL AUTHORITY OF ZAKAT & TAX
(١٨٥)

فرع الرياض

شهادة
CERTIFICATE

تشهد الهيئة العامة للزكاة والدخل بأن المكلف / شركة دار المعدن للصناعة

شركة رقم ٧٠٠١٤٤٠٧٠٥ وسجل تجاري رقم ١٠١٠٢٠٠٦٨٧ رخصة رقم ١٠١٠٣٠٠٩٤٠٠١

قدم إقراره عن الفترة المنتهية في ٢٠١٦/١٢/٣١ م

وقد منح هذه الشهادة لتمكينه من إنهاء جميع معاملاته بما في ذلك صرف مستحقته النهائية عن العقود.

يسري مفعول هذه الشهادة حتى تاريخ ١٤٣٩/٠٨/١٤ هـ الموافق ٢٠١٨/٠٤/٣٠ م.

(الرابع عشر من شعبان ألف و أربعمائة و تسعة و ثلاثون هجري)

الهيئة العامة
للزكاة والدخل
GENERAL AUTHORITY
OF ZAKAT & TAX
الشهادات

الختم الرسمي

هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع

لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة www.dzit.gov.sa

التاريخ ١٤٤١/٠١/٢٠
الموافق ٢٠١٩/٠٩/١٩
رمز الشهادة ٣٠٣٩٥٧٦٩



شهادة

إسم المنشأة: شركة دار المعدن للصناعة

الرياض
السعودية
رقم الإشتراك: ٥٠٠٧٥١٨٣٥
رقم السجل التجاري: ١٠١٠٢٠٠٦٨٧
مصدره: الرياض

| رقما | كتابة | عدد المشتركين السعوديين |
|------|-----------------------------|-----------------------------|
| ٣٧ | سبعة و ثلاثون مشتركا | عدد المشتركين غير السعوديين |
| ١٣٦ | مائة و ستة و ثلاثون مشتركا | المجموع |
| ١٧٣ | مائة و ثلاثة و سبعون مشتركا | |

تشهد المؤسسة العامة للتأمينات الإجتماعية بأن المنشأة المذكورة اعلاه قد أوفت بالتزاماتها تجاه المؤسسة وفق البيانات المقدمة منها حتى تاريخ إصدار هذه الشهادة ، والتي تم منحها لتقدمها لأية جهة تطلبها ، وهي صالحة لجميع الأغراض التي نص عليها نظام التأمينات الإجتماعية في المادة (٦/١٩) منه.
هذه الشهادة سارية المفعول حتى ١٤٤١/٠٢/٢٠ هـ.



يلزم التحقق من صحة وصلاحيه الشهادة عبر زيارة الرابط
أدناه في الموقع الإلكتروني للمؤسسة العامة للتأمينات الإجتماعية
أو عن طريق استخدام
الرمز المعرف التالي :

www.gosi.gov.sa/vc

(الشهادة معتمدة من صاحب الصلاحيه ولا تحتاج إلى توقيع أو ختم)

ننهادت

www.gosi.gov.sa
800 1243344



تعد هذه الشهادة من الوثائق الإلكترونية الحكومية الرسمية ، ويحظر قطعيا تقليدها أو إدخال أي تعديلات عليها سواء بالإضافة أو الحذف أو التغيير في بياناتها أو غير ذلك من انواع التعديل ، وتعد الشهادة لاغية إذا شابهها شيء من ذلك ، كما تعرض صاحبها للملاحقة النظامية أمام الجهات المختصة بالإضافة إلى مايفرضه نظام التأمينات الإجتماعية من عقوبات ، ولايجوز تداول الشهادة إلا في الأغراض التي أصدرت لأجلها وفقا لأحكام نظام التأمينات الإجتماعية ، والمؤسسة العامة للتأمينات الإجتماعية غير مسؤولة عن أي آثار أخرى مترتبة قبل الغير عن الشهادة وغير مسؤولة عن أي عملية تزوير أو تعديل تتم على البيانات الواردة فيها .

e
GOSI
التأمينات الإلكترونية
بإمكانك من مكانك

شهادة سعودة

تاريخ الإصدار : ١٤٤٠/٠٩/٠٨

تاريخ صلاحية الشهادة : ١٤٤٠/١٢/١٢

رقم الشهادة : ٢٠٠٠١٩٠٥٠١٠٢٤٦

اسم المنشأة: شركة دار المعدن للصناعة

رقم الملف: ١٤٦٨٥٠-١

سجل تجاري: ١٠١٠٢٠٠٦٨٧

الصادر من: الرياض

تشهد وزارة العمل والتنمية الاجتماعية بأن المنشأة المذكورة أعلاه حققت نسب التوطين المطلوبة منها..
وتم منحها هذه الشهادة حسب طلبها

(الشهادة معتمدة من صاحب الصلاحية ولا تحتاج إلى توقيع أو ختم)

تنبيهات:

١ - يمكن التحقق من صحة وصلحية الشهادة عبر زيارة الرابط: <http://mol.gov.sa/CERT>

٢ - في حال اكتشاف أي عملية تزوير في الشهادة المقدمة نردو التبليغ عن ذلك بخطاب رسمي للأقرب مكتب عمل.



Certificate of Verification No. 02A-11.0003.01-LE

Exova Certification & Inspection Services Ltd (ECI) certifies that the referenced Certificates of Verification has been issued to:

EMVER PAINTS INDUSTRY LLC

P.O. Box 47403, Jebel Ali, Ind Area 2, Dubai, UAE

Tel: +971 4 880 2255 / Fax: +971 4 880 2266 / Website: www.evivernici.com

Product Brand: 'RITVER'

Product description: PU Solvent base Basecoat and Topcoat (Pigmented and Clear System)

| Product model number | Product qualifies for LEED Scheme | Product References |
|--|-----------------------------------|---|
| LEED 204 + LEED 001 (Basecoat Sanding Sealer) | LEED credit EQ c4.2 | PU Solvent Basecoat Exova Ref WR11-01394** |
| LEED 22X0 + LEED 001 (Topcoat Lacquer) | LEED credit EQ c4.2 | PU Solvent Topcoat Exova Ref WR11-01395** |

The above certifications are issued based on initial type testing of product samples received from the manufacturer.

This certificate should be read in conjunction with the relevant Exova test report and not be accepted as a substitute for the test reports referenced above, which may include additional information relevant to the certified products, including possible restrictions to scope.

**Test conducted in accordance with 2005 VOC limits.

Signed for and on behalf of ECI - Exova Certification & Inspection Services Ltd.:

Date of Issue: 21st April 2011

This certificate remains the property of ECI and is issued subject to terms and conditions.

It is valid until the expiry date unless withdrawn by ECI.

It may only be reproduced in full. Extracts or abridgements shall not be published without the written permission of ECI.

ECI is member of the U.S. Green Building Council USGBC. Corporate Access ID: 3531890909072844





CERTIFICATE

for

WOOD WORLD TRADING COMPANY

P.O. Box 40028, 1st Industrial Area, Riyadh, Saudi Arabia

A Participating Site of Chabros International Group FZCO

(RA-COC-007368 and RA-CW-007368)

CERTIFICATE SCOPE

Certificate Type: Chain of Custody and Controlled Wood

Standard(s): FSC-STD-40-003 V2-1; FSC-STD-40-005 V2-1; FSC-STD-40-004 V2-1

Product group(s): Solid wood (sawn, chipped, peeled); Veneer; Wood panels; Plywood; Engineered wood products; Other manufactured wood products

Valid from May 4, 2016 to May 3, 2021

Sub-Certificate Registration Code: RA-COC-007368-E, RA-CW-007368-E

FSC® License Code: FSC-C105810

Certificate Issue Number: IN-2016-2

Additional details regarding the scope, including a full list of products, species, and participating sites are available at info.fsc.org.

This certification was conducted in collaboration with Wood Certification Private Limited

Jon Jickling, Director, Certification

Rainforest Alliance
233 Broadway, 28th Floor
New York, NY 10279 USA

Rainforest Alliance is an FSC accredited certifier FSC® A000520

The validity of this certificate shall be verified on info.fsc.org. This certificate does not constitute evidence that a particular product supplied by the certificate holder is FSC certified and/or FSC Controlled Wood. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.





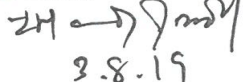


This certificate is the property of Rainforest Alliance. This certificate and all copies or reproductions of this certificate shall be returned or destroyed if requested by Rainforest Alliance.



The mark of responsible forestry



CONSULTANT APPROVAL

| | | | |
|---|---|--|-------------------------------|
| PROJECT NAME : NETWORK OPERATION CENTER (NOC) & PARKING BUILDING | | STC الاتصالات السعودية | |
| PROJECT LOCATION : STC - HQ- Mursalat | |  دلتا مهندسون استشاريون تصميم وإدارة مشاريع DELTA CONSULTING ENGINEERS DESIGN & PROJECT MANAGEMENT | |
| PROJECT NO.: 0665022 | | الشركة للطرفية للتجارة والمقاولات Al-latifa Trading & Contracting Co. | |
| 28 JUL 2019  | | STC NETWORK OPERATION CENTER | |
| TECHNICAL SUBMITTAL (TS) | | | |
| <input checked="" type="checkbox"/> New Submittal | Submittal No.: | TS-AR-274 | Revision No.: |
| <input type="checkbox"/> Resubmittal | Submittal Date: | 28/07/2019 | Previous Submittal Date: |
| <input type="checkbox"/> GENERAL USE | <input type="checkbox"/> STRUCTURAL/CIVIL | <input checked="" type="checkbox"/> ARCHITECTURAL | <input type="checkbox"/> HVAC |
| <input type="checkbox"/> LC () | <input type="checkbox"/> FIRE FIGHTING | <input type="checkbox"/> ELECTRICAL | |
| DESCRIPTION | | ATTACHMENTS: | |
| Material Submittal - Wooden Kitchens Materials 1. Particle Chipboard, Egger. 2. Plywood, K. Wood. 3. Hinges, Indaux, Consort, MS SLIDE-ON. 5. Runners and Sliders, Indaux. | | <input checked="" type="checkbox"/> TECH. BROCHURE & Catalogs <input type="checkbox"/> CERTIFICATE <input checked="" type="checkbox"/> MANUFACTURER / supplier file <input type="checkbox"/> METHOD STATEMENT <input type="checkbox"/> SAMPLES <input type="checkbox"/> O&M MANUALS <input type="checkbox"/> SPARE PART LIST <input type="checkbox"/> WARRANTY <input type="checkbox"/> OTHERS If Others Specify: Samples / Materials | |
| Specs. Ref. #: Div. 06 Section : 06 400 | | APPROVAL STATUS <input type="checkbox"/> A: Approved <input checked="" type="checkbox"/> B: Approved As Noted <input type="checkbox"/> C: Revise and Re-submit <input type="checkbox"/> D: Disapproved <input type="checkbox"/> E: No Action | |
| BOQ Ref. #: | |  | |
| MANUFACTURER | SUPPLIER / LOCAL AGENT | ORIGIN | Action Code |
| DarMetal | DarMetal | Various | B |
| Contractor | | | |
| Project Manager : Mahmood Ibrahim | | Signature: | Date: |
| STC / CONSULTANT COMMENTS : | | | |
| * only options that are complying with project specs are accepted * this approval is subjected to approving a live sample with all accessories on it. * colour to be determined upon submitting a sample * for the Hinges, exclude the 90° hinge and use the others * show compliance with previous submittals. | | | |
| CONSULTANT ENGINEER | | CONSULTANT PM | |
| Name: Yousef Alamin | | Name: 24 → 9 mly | |
| Signature:  | | Signature:  | |
| Date: 2019-08-03 | | Date: 3.8.19 | |
| STC REP. | | Name: Hussain | |
| Signature:  | | Signature:  | |
| Date: 5/8 | | Date: 5/8 | |
| REF. IN | Signature: | REF. OUT | Signature: |
| | Date: | | Date: |

Kingdom of Saudi Arabia
Ministry of Education
Taif University
(041)



الملك عبدالعزيز بن سعود
وزارة التعليم
جامعة الطائف
(٠٤١)

الموضوع: طلب اعتماد عينات الابواب الخشبيه

المحترمين

السادة مجموعة وادي مرامر الإثشائية

السلام عليكم ورحمة الله وبركاته وبعد،

إشارة إلى خطابكم المقيد لدينا برقم (وم/١٣٤/١٤٤٠هـ) بتاريخ ١٤٤٠/٠٨/٢٣هـ والمتضمن طلب اعتماد اعتماد عينات الابواب الخشبيه لمشروع إنشاء كلية الحاسب وتقنية المعلومات بالطائف (المرحلة الثانية) بجامعة الطائف مقاوله شركتكم.

ويعد مراجعة العينات المقدمة للإعتماد نفيديكم بإعتماد العينه المقدمه من شركه دار المعدن على أن يتم الالتزام بالقطاعات المعتمده للابواب الخشبيه مع الالتزام بالتوريد بما لا يتعارض مع الجداول الزمنيه للمشروع و على أن يتم مراعاة الآتي:-

١. تطبيق جداول الكميات والمواصفات الفنية والمخططات التعاقدية.

٢. تقديم شهادة المنشأ والضمان موثقة من الجهات المعتمدة.

وتقبلوا وافر التحية والتقدير،

المشرف العام على إدارة المشاريع والصيانة

م. عبد الحواين احمد الزهراني

الرقم: ٧٤٨ / ١٩ التاريخ: ١٩ / ١٩ / ١٤٤٠هـ المشفوعات: صورة النموذج

الطائف - الحوية - ص.ب ٨٨٨ الرمز البريدي ٢١٩٧٤ - هاتف : ٧٧٧ ٢٠٢٠ (٠١٢) - فاكس : ٧٧٧ ٤٢٩٩ (٠١٢)
Taif - Al-Haweiah - P.O.Box 888 Zip Code 21974 - Tel. (012) 727 2020 - Fax (012) 727 4299
الموقع الإلكتروني : www.tu.edu.sa

اسم المشروع: مشروع إعادة تأهيل مباني أرقام (12 و 13 و 14) بمخرج 9
رقم المشروع: MOFT 526
من المقاول: شركة غصون الخير للمقاولات
إلى الاستشاري: الديار السعودية للاستشارات

رقم المستند: MOFT-MT-AR-013-3
القناة: WOODEN DOORS
الموضوع: WOODEN DOORS
التاريخ: 2019/08/20
الإصدار: R-00
القسم: FINISHING
الموقع: MOF

نوع/فئة المستند:
مخططات
رسم توضيحي
طريقة التنفيذ
أخرى
مستخلصات
شهادات
عقود
خطة عمل
تقارير
نوتة حسابية
قدم لسبب:
الموافقة
للمرجعة / للتعليق
للمعلومية

| عدد النسخ | الوصف | الوكيل المحلي | اسم الشركة | الرقم # |
|-----------|--------------|---------------|------------|---------|
| 2 | WOODEN DOORS | | DAR METAL | |

أرسل بواسطة:
التوقيع:
التاريخ: 2019/08/20






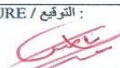
التعليق والملاحظات (استشاري التنفيذ)
«وفقاً للملاحظات المرخصة منه قبل طامم الأعمال»
كمررد أهل. - يقدم المقاول لرحمة موضع عليها القشرة واللوان للارتداد
راجع بواسطة:
التوقيع:
التاريخ: ٢٠١٩ - ٨ - ٢٨
راجع بواسطة:
التوقيع:
التاريخ:

الإجراء:
موافقة
مرفوضة
موافقة حسب التعليق الموضح
يتم التعديل وإعادة الإرسال



ممثل المالك/ وزارة المالية
اسم:
التوقيع:
التاريخ:
اسم:
التوقيع:
التاريخ:



ARC-RAA-405278-2019-TS

| | | | | | |
|---|--|--|--|--|------|
|  <p>المالك : وزارة الداخلية وكالة الوزارة للتخطيط والتطوير الأمني</p> | | <p>: CONSULTANT / الاستشاري</p>  <p>ARCHEN ENGINEERING</p>  <p>EllisDon We build on great relationships™</p> | | <p>: CONTRACTOR / المقاول</p>  <p>مجموعة بن لادن السعودية SAUDI BINLADIN GROUP</p> | |
| PROJECT NO / رقم المشروع | 1370 | PROJECT NAME / اسم المشروع | South Border Infrastructure Project (Roads and Buildings) | | |
| Work Package / حزمة الأعمال | Architecture | Area | Area - 3 | | |
| Location / الموقع | General | Discipline | Architecture | | |
| DOCUMENTS SUBMITTAL / إحالة وثائق / للاحتماد | | | | | |
| Ref. No / رقم المرجع | Doc. A3 - RAA-A0132 | Rev. No. | 00 | | |
| Sub. To / التقديم الى | Archen | Date / التاريخ | 16/6/2019 | Contract No / رقم العقد | 1370 |
| Subject / الموضوع | SAMPLE FOR WOODEN DOORS (FIRE RATED & NON FIRE RATED) | | | | |
| <input checked="" type="checkbox"/> FOR APPROVAL / للاحتماد | | <input type="checkbox"/> FOR INFORMATION / للمعلومات | | | |
| <p>WE SUBMIT THE FOLLOWING / نقدم ما يلي :</p> <p style="text-align: center;">RAA</p> <p>WOODEN DOORS (FIRE AND NON FIRE RATED) (MAT-GEN-A0132)</p> | | | | | |
| OTHER REMARKS / ملاحظات اخرى : | | | | | |
| <p>Contractor's Authorized Manager توقيع المدير المخول من قبل المقاول</p> | | <p>Name / الاسم RAYAN MOHAMMED</p> <p>Signature / التوقيع :</p> | | <p style="text-align: center;">شركة الربيع العالمي للمقاولات مشروع البنية التحتية للطرق والبنى التحتية TECHNICAL OFFICE التوقيع Date / التاريخ - 16/6/2019</p> | |
| <p>Consultant's Representative Comments / ملاحظات ممثل الاستشاري</p> <p style="text-align: center;">REFER TO ATTACHED COMMENTS.</p> | | | | | |
| Status / الحالة | <input type="checkbox"/> A - APPROVED مصدق | <input checked="" type="checkbox"/> B - APPROVED AS NOTED مصدق بملاحظات | <input type="checkbox"/> C - REVISE & RESUBMIT إعادة تقديم بملاحظات | <input type="checkbox"/> D - REJECTED مرفوض | |
| <p>Consultant's Representative / ممثل الاستشاري</p> <p>Name / الاسم : GUSTAVO RODRIGUEZ</p> <p>SIGNATURE / التوقيع :  18-06-2019</p> | | | <p>The Consultant / الاستشاري</p> <p>Name / الاسم : NASER OBEIDAT</p> <p>SIGNATURE / التوقيع :  18-06-2019</p> | | |

C.L
O.A


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 ENGINEERING
 16 JUN 2019
 H/  03:00

| | |
|------------------------------|-----------------------|
| INCOMING / وارد | OUTGOING / صادر |
| DATE / التاريخ : 16 JUN 2019 | DATE / التاريخ : |
| SIGNATURE / التوقيع : | SIGNATURE / التوقيع : |

SBI-ARC-RAA-399995-2019-TS-





| | | | | | |
|--|-------------------|--|---|--|------|
| المالك : وزارة الداخلية وعدة الوزارة للتخطيط والتطوير الامني | | الاستشاري / CONSULTANT ARCHEN EllisDon We build on great relationships™ | | المقاول / CONTRACTOR مجموعة بن لادن السعودية SAUDI BINLADIN GROUP | |
| رقم المشروع / PROJECT NO | 1370 | اسم المشروع / PROJECT NAME | South Border Infrastructure Project (Roads and Buildings) | | |
| حزمة الأعمال / Work Package | ARCHITECTAL | | Area | | |
| الموقع / Location | GENERAL | | Discipline | ARCHITECTURAL | |
| MATERIAL SUBMITTAL / تقديم مواد | | | | | |
| رقم المرجع / Ref. No | MAT-GEN-RAA-A0132 | | Rev. No. | 00 | |
| التقديم الى / Sub. To | ARCHEN | التاريخ / Date | 2-5-2019 | رقم العقد / Contract No | 1370 |
| وصف المواد (مادة واحدة لكل نموذج) / Material Description (One Item only per each form) | | | | | |
| WOODEN DOORS (FIRE RATED & NON-FIRE RATED) | | | <input checked="" type="checkbox"/> As Specification / حسب المواصفات <input type="checkbox"/> Alternative / بديل | | |
| مرجع المخطط / Drawing Ref | ATTCHED FILED | | المرجع في جدول الكميات / B.O.Q Ref No | | |
| مرجع المواصفات / Specification Ref | Section 08211 | | المعايير / Standards, BS, DIN | ASTM | |
| (Attach all relevant technical literature marked to identify descriptions, current test certificate, sample etc.) (ارفق كافة البيانات الفنية لايضاح الوصف وشهادات الاختبارات والعينات و ETC) | | | | | |
| MANUFACTURE / SUPPLIER / المصنع / المورد | | | | | |
| اسم الشركة / Company Name DAR METAL INDUSTRIES | | | Local Manufactured / مصنع محلي : yes | | |
| العنوان / Address P.O BOX 26012-RIADH TEL:00966 011 292203 | | | C.C.A.S.G Manufactured / مصنع خليجي : N/A | | |
| الوكيل المحلي / Local Agent DAR METAL INDUSTRIES | | | Production Period / مدة الانتاج : N/A | | |
| | | | Delivery Ex-Works / تسليم الاعمال السابقة : N/A | | |
| | | | Total Delivery Time / مجموع الوقت للتسليم : N/A | | |
| | | | Overland / الشحن البري : N/A | | |
| | | | Sea Freight / الشحن البحري : N/A | | |
| | | | Total Freight / مجموع مدة الشحن : N/A | | |
| التاريخ المتوقع للمادة لتتواجد بالموقع : Programmed Date material required on site: | | | التاريخ المتوقع للمادة لتتواجد بالموقع : Expected date of arrival on site: | | |
| اسم المدير المخول من قبل المقاول / Contractor's Authorized Manager توقيع المدير المخول من قبل المقاول | | الاسم / Name RAYAN MOHAMMED | | التاريخ / DATE 2-5-2019 | |
| | | الوظيفة / Position TECHNECAL OFFICE | | | |
| ملاحظات الاستشاري / Consultant's Comments (An approval does not relieve the Contractor of his obligations under the Contract and he shall be liable for all fees, delays and penalties incurred by subcontractor) وسوف يكون مسؤولاً عن جميع الأعمال والإعدادات الافتراضية والإعمال من جانب المقاول من الباطن واعتماد لا يرفع المخاطر من التزامات بموجب العقد | | | | | |
| PLEASE REFER TO THE ATTACHED COMMENTS | | | | | |
| Status / الحالة : <input type="checkbox"/> A - APPROVED <input checked="" type="checkbox"/> B - APPROVED AS NOTED <input type="checkbox"/> C - REVISE & RESUBMIT <input type="checkbox"/> D - REJECTED مختم / مختم بملاحظات / اعادة تقديم بملاحظات / مرفوض | | | | | |
| ممثل الاستشاري / Consultant's Representative Name / الاسم : GUSTAVO RODRIGUEZ | | مدير المشروع من قبل الاستشاري / Consultant Project Manager Name / الاسم : NASER OBEIDAT | | مدير المشروع من قبل وزارة الداخلية / MOI Project Manager Name / الاسم : | |
| التوقيع / SIGNATURE : | | التوقيع / SIGNATURE : | | التوقيع / SIGNATURE : | |
| التاريخ / DATE : 8 MAY 2019 | | التاريخ / DATE : 8 MAY 2019 | | التاريخ / DATE : | |

HH
GA

ARCHEN RECEIVED
ENGINEERING
02 MAY 2019
H/ ARB 02:00

| | |
|-----------------------|-----------------------|
| وارد / INCOMING | صاخر / OUTGOING |
| التاريخ / DATE : | التاريخ / DATE : |
| التوقيع / SIGNATURE : | التوقيع / SIGNATURE : |

~ SBI-ARC-DAFE-378028-2019-TS ~

| | | | | | | | | | | |
|--|---|---|--|---|--|-----------------|---|--|--|--|
|  <p>المملكة : وزارة التخطيط ووزارة التنمية الاقتصادية</p> | | <p>الاستشاري / CONSULTANT : ARCHEN EllisDon We build on your relationship™</p> | | <p>المقاول / CONTRACTOR : مجموعة بن لادن السعودية SAUDI BINLADIN GROUP</p> | | | | | | |
| PROJECT NO / رقم المشروع : 1370 | | PROJECT NAME / اسم المشروع : South Border Infrastructure Project (Roads and Buildings) | | Area : AREA-3A | | | | | | |
| Work Package / حزمة الأعمال : General | | Location / الموقع : General | | Discipline : ARCHITECTURAL | | | | | | |
| MATERIAL SUBMITTAL / تقديم مواد | | | | | | | | | | |
| Ref. No / رقم المرجع : MAT-GEN-DAFE-A0011 | | Rev. No. : 00 | | Company Name / اسم الشركة : DAR METAL | | | | | | |
| Sub. To / التقديم الى : ARCHEN-ED | | Date / التاريخ : 23/01/2019 | | Contractor / المقاول : N/A | | | | | | |
| Material Description (One Item only per each form) / (مادة واحدة لكل نموذج) : WOODEN DOORS (FIRE RATED & NON - FIRE RATED) | | | | | | | | | | |
| <input checked="" type="checkbox"/> As Specification / حسب المواصفات <input type="checkbox"/> Alternative / بديل | | | | | | | | | | |
| Drawing Ref / مرجع المخطط : ATTACHED | | R.O.Q Ref No / المرجع في جواز الكميات : N/A | | Standards, BS, DIN / المعايير : ASTM | | | | | | |
| Specification Ref / مرجع المواصفات : DIV | | (Attach all relevant technical literature marked to identify descriptions, current test certificate, sample etc.) (ارفق كافة المواصفات التقنية لإشراك الوكيل وشهادات الاختبارات و العينات و خلاصم) | | | | | | | | |
| MANUFACTURE / SUPPLIER / المصنع / المورد | | | | | | | | | | |
| Company Name / اسم الشركة : DAR METAL INDUSTRIES (WOOD DIVISION) | | Local Manufactured / مصنع محلي : DAR METAL | | | | | | | | |
| Address / العنوان : RIADH P.O.BOX : 250183 TELL 011920000242 | | C.C.A.S.G Manufactured / مصنع خليجي : LOCAL FACTORY | | | | | | | | |
| Local Agent / الوكيل المحلي : N/A | | Production Period / مدة الانتاج : 2 months | | | | | | | | |
| | | Delivery Ex-Works / تسليم الاعمال السابقة : N/A | | | | | | | | |
| | | Total Delivery Time / مجموع الوقت للتسليم : 2 months | | | | | | | | |
| | | Overland / الشحن البري : 1 WEEK | | | | | | | | |
| | | Sea Freight / الشحن البحري : N/A | | | | | | | | |
| | | Total Freight / مجموع مدة الشحن : 1WEEK | | | | | | | | |
| Programmed Date material required on site : التاريخ المتوقع للمادة لتتواجد بالموقع : 20/04/2019 | | Expected date of arrival on site : التاريخ المتوقع للمادة لتتواجد بالموقع : 15/04/2019 | | | | | | | | |
| Contractor's Authorized Manager / توقيع المدير المخول من قبل المقاول : MAHMOUD ABO ZIED | | Name / الاسم : MAHMOUD ABO ZIED | | SIGNATURE / التوقيع :  | | | | | | |
| | | Position / الوظيفة : ARCHITECT | | DATE / التاريخ : 23/01/2019 | | | | | | |
| Consultant's Comments / ملاحظات الاستشاري : (An approval does not relieve the Contractor of his obligations under the Contract and he shall be liable for all acts, defaults and negligence by the subcontractor) الاعتماد لا يفي بالمقاول من التزامه بموجب العقد وسوف يكون مسؤولاً عن جميع الأعمال والإعدادات الإفتراضية والإعمال من جانب المقاول من الباطن | | | | | | | | | | |
| REFER TO ATTACHED COMMENTS | | | | | | | | | | |
| <table border="0"> <tr> <td>Status / الحالة</td> <td><input type="checkbox"/> A - APPROVED متمم</td> <td><input checked="" type="checkbox"/> B - APPROVED AS NOTED متمم بملاحظات</td> <td><input type="checkbox"/> C - REVISE & RESUBMIT إعادة تقديم بملاحظات</td> <td><input type="checkbox"/> D - REJECTED مرفوض</td> </tr> </table> | | | | | | Status / الحالة | <input type="checkbox"/> A - APPROVED متمم | <input checked="" type="checkbox"/> B - APPROVED AS NOTED متمم بملاحظات | <input type="checkbox"/> C - REVISE & RESUBMIT إعادة تقديم بملاحظات | <input type="checkbox"/> D - REJECTED مرفوض |
| Status / الحالة | <input type="checkbox"/> A - APPROVED متمم | <input checked="" type="checkbox"/> B - APPROVED AS NOTED متمم بملاحظات | <input type="checkbox"/> C - REVISE & RESUBMIT إعادة تقديم بملاحظات | <input type="checkbox"/> D - REJECTED مرفوض | | | | | | |
| Consultant's Representative / ممثل الاستشاري : GUSTAVO RODRIGUEZ SENIOR ARCHITECT | | Consultant Project Manager / مدير المشروع من قبل الاستشاري : NASER OBEIDAT DEPUTY GENERAL PROJECT MANAGER | | MOI Project Manager / مدير المشروع من قبل وزارة الداخلية : Name / الاسم : | | | | | | |
| SIGNATURE / التوقيع :  | | SIGNATURE / التوقيع :  | | SIGNATURE / التوقيع : | | | | | | |
| DATE / التاريخ : 31-01-2019 | | DATE / التاريخ : 31-01-2019 | | DATE / التاريخ : | | | | | | |
| INCOMING / وارد : DATE / التاريخ : SIGNATURE / التوقيع : | | ARCHEN RECEIVED 23 JAN 2019 | | OUTGOING / صادر : DATE / التاريخ : SIGNATURE / التوقيع : | | | | | | |

1/H/ (AS) 02:50



Al-Dafe for Trading & Contracting Co.

attn. Mohamed Abdul Aziz Al Bawardi

Riyadh, Saudi Arabia

Project: South Border Infrastructure Project (Roads and Buildings)

Date: 31 Jan 2019 H1440/5/26

Reference: TRA-SBI-ARC-DAFE-378028-2019-TS

Document: SBI-ARC-DAFE-378028-2019-TS

Subject: Material for Wooden Doors (Fire Rated & Non-Fire Rated) by M/S Dar Metal Industries. (MAT GEN DAFE A0011)

Transmittal

| | | | |
|------------------------------------|---------------------------------------|------------------------------------|--------------------------|
| To: إلى | Mohamed Abdul Aziz Al Bawardi | From: من | Naser Obeidat |
| Company: شركة | Al-Dafe for Trading & Contracting Co. | Company: شركة | Archen |
| Phone: هاتف | 011 4451556 | Phone: هاتف | |
| Fax: بالفاكس | 011 4939238 | Fax: بالفاكس | |
| Email: البريد الإلكتروني | info@al-dafe.com | Email: البريد الإلكتروني | naser.obeidat@archen.com |

LIST OF DOCUMENTS ISSUED

| Revision تنقيح | Copies نسخ | # of pages: عدد الصفحات | Format شكل | Comment تعليق |
|-------------------|---------------|----------------------------|---------------|-----------------------|
| 0 | 1 | 4 | Hard Copy | b: approved as noted. |




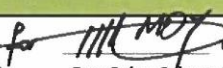







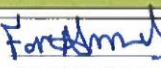


Archen



Mohamed Abdul Aziz Al Bawardi
Al-Dafe for Trading & Contracting Co.

| | | | | | |
|--|-----------------------|--|---------------------------------------|---|--|
| | | Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني مشروع خادم الحرمين الشريفين لتطوير المقورات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-5 Group4 | | GESBAU 2ACE ITALCONSULT | |
| MATERIAL SUBMITTAL FORM / مواد | | REF. # | KAP5-BEC-00-000-00-MAT-AR-10033-02 | | |
| MATERIAL DESCRIPTION | | Mosque Platform | | | |
| Site No. & Name / اسم و رقم الموقع | ALL | Sector No. | ALL | | |
| Bldg. No. & Name / اسم و رقم المبنى | ALL | Prototype | ALL | | |
| To / إلى | GESBAU-ITALCONSULT JV | | From | B E C | |
| | | Date | 21-Oct-2018 | | |
| DISCIPLINE/التخصص | | | | | |
| <input type="checkbox"/> Structural <input type="checkbox"/> Electrical <input checked="" type="checkbox"/> Arch <input type="checkbox"/> Civil <input type="checkbox"/> General <input type="checkbox"/> Others | | | | | |
| MATERIALS DETAILS / تفاصيل المادة المقعدة | | | | | |
| Standard / Specifications: المواصفات | | Division# 06 | | | |
| Supplier / Manufacturer: المصنع/المورد | | DAR Metal Industries | | | |
| Contact Person / المسؤول : | | | | | |
| Availability / المصدر | | Local / محلي | | Imported / مستورد | |
| Status / التوصيف | | Specified / مؤصّف | | Alternative / بديل | |
| ENCLOSURES / المرفقات | | | | | |
| <input checked="" type="checkbox"/> Catalogue / كتالوج Technical Data Sheet | | <input type="checkbox"/> Sample / عينة | | <input type="checkbox"/> List of Suppliers / قائمة موردين | |
| <input type="checkbox"/> Product Verification / شهادة توثيق | | <input type="checkbox"/> Comparison Sheet / قائمة مقارنة | | <input type="checkbox"/> Other / أخرى | |
| NOTES : The Submittal Includes Reference Drawings + 1 CD + 01 Sample | | | | | |
| Submitted For : | | | | | |
| <input checked="" type="checkbox"/> Approval | | | <input type="checkbox"/> Coordination | | |
| Note: By completing the form, Contractor certifies that subject drawings comply with contract conditions. عند تعبئة النموذج يشهد المقاول أن الوثائق تتطابق مع مواصفات العقد | | | | | |
| Prepared by: Eng. Hesham Hamed | | Signature: | | Signature: | |
| Deputy Project Manager Signature: | | Contractor Representative- PD/PM | | | |
| GIJV USE ONLY | | | | | |
| Received by DCC : | | Sign: | | Date: Time: | |
| Engineer's Comments : | | | | | |
| SEE TECHNICAL REPORT TO COMPLY BEFORE DELIVERY ON SITE. | | | | | |
| Sign by Engineer: | | Title: ERICSON MARIE SENIOR ARCHITECT | | Date: 5/11/2018 | |
| This approval does not relieve the contractor of his responsibility as per the contract. / هذه الموافقة لا تخفي المتقول من مسؤوليته حسب متطلبات العقد | | | | | |
| <input type="checkbox"/> A-Approved <input checked="" type="checkbox"/> B-Approved as noted <input type="checkbox"/> C-Revise and Resubmit <input type="checkbox"/> D-Rejected | | | | | |
| Distribution Copy : <input type="checkbox"/> MOI <input type="checkbox"/> GIJV <input type="checkbox"/> CONTRACTOR <input type="checkbox"/> S/C | | | | | |
| BEC Receiver Name & Signature: | | | Received Date: | | |




| | | | | | |
|--|---|--|---|---|--|
|  Beijing Emirates Company شركة دبي للمباني والهندسة المعمارية | | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 (E1,E2,E4,E5) | |  ARCHITECTS & ENGINEERS | |
| | |  Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | | | |
| MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد | | | | | |
| Site No/ رقم الموقع | General | Site Name/ اسم الموقع | KAP2E2- (E1,E2,E4,E5) | Project No. رقم المشروع | 1/53/35/134 |
| Bldg. No. رقم المبنى | General | Bldg. Name/ اسم المبنى | Min Mosque, Student Mosque, | Location/ المكان | Makkah&Madina |
| To/ إلى : | NKY - Architects & Engineers | | Submittal No/ رقم التقديم : | KAP2E2-MT-STR-GEN-8210-4009-1 | |
| Attention / عناية : | Salaheldin Shinewrah (PD) | | Date & Time / الوقت و التاريخ : | 04-Dec-2018 | |
| From/ من : | Sabry Salama (Project Director) | | Request Return Date : | 11-Dec-2018 | |
| MATERIALS DETAILS / تفاصيل المادة المقدمة | | | | | |
| Material Description/ وصف المادة : | Samples for Wooden Acoustic leaves with mold & without + Frames Strebord 54mm - (Fire rated) / The same mold will be used for non-acoustic leaves | | | | |
| Standard / Specifications المواصفات | Division 8210 | | | | |
| Supplier/Manufacturer المورد/ المصنع | <u>Dar Metal Industries</u> | | | | |
| Contact Person/ المسؤول | Ahmed Taher | | | | |
| Address Details/ العنوان | Riyadh, K.S.A. | | | | |
| Local Agent/ الوكيل المحلي | <u>Dar Metal Industries</u> | | | | |
| Contact Person /المسؤول المحلي | Ahmed Taher | | Mob. +966 598288277 | | |
| Address Details/العنوان المحلي | Riyadh, K.S.A. | | | | |
| Availability / المصدر | <input checked="" type="checkbox"/> | Local / محلي | <input type="checkbox"/> | Imported / مستورد | <input type="checkbox"/> |
| Status / التوصيف | <input type="checkbox"/> | Specified / مؤسفة | <input type="checkbox"/> | Alternative / بديل | <input type="checkbox"/> |
| ENCLOSURES / المرفقات | | | | | |
| Catalogue / كتالوج Technical Data Sheet | <input type="checkbox"/> | Sample / عينة | <input type="checkbox"/> | List of Suppliers / قائمة موردين | <input type="checkbox"/> |
| Product Verification / شهادة توفيق | <input type="checkbox"/> | Comparison Sheet / قائمة مقارنة | <input type="checkbox"/> | Other / أخرى | <input type="checkbox"/> |
| Contractor's Note / ملاحظات المقاول: 1 Copy + 1 C.D. + 3 SAMPLE | | | | | |
| 1- The Supplier is approved under submission KAP2E2-DC-ARC-GEN-3359-0. | | | | | |
| Submitted for/ التقديم من الغرض من : <input checked="" type="checkbox"/> Approval/ للإعتماد <input type="checkbox"/> Information/ للمعلومات <input type="checkbox"/> Coordination/ للتنسيق | | | | | |
| Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications). | | | | | |
| المقاول: عند ختم هذا النموذج يشهد المقاول أن الوثائق تتوافق مع مواصفات العقد | | | | | |
| Signature/ التوقيع: |  | Date/ التاريخ: | 04-Dec-2018 | Signature/ التوقيع: |  |
| Contr.'s Repr. PD/PM/ممثل المقاول | Eng. Sabry Salama (Project Director) | | | Prepared by/ المهندس المسئول | Eng. Hesham Hamed |
| Engineer : (For Engineer's use only) | | | | | |
| Received by اسم الممثل | | Received Date تاريخ الاستلام | | Received Time وقت الاستلام | |
| Engineer Comments/ توصيات الاستشاري : | | | | | |
| Refer to attached Commented sheet. | | | | | |
| This approval does not relieve the contractor of his responsibility as per the contract. | | | | | |
| Engineer Signature توقيع الاستشاري |  | Title: الوظيفة | Head of Arch. | Date التاريخ | 23/12/2018 |
| Result: | | | | | |
| <input type="checkbox"/> A- Approved يعتمد | <input checked="" type="checkbox"/> B- Approved as Noted Return Clear Copy يعتمد بملاحظات | <input type="checkbox"/> C- Revise & Resubmit يراجع ويعاد التقديم | <input type="checkbox"/> D- Received for information استلم للمعلومية | <input type="checkbox"/> E- Rejected مرفوض | <input type="checkbox"/> F- No Action بدون اجراء |
| Distribution Copy / نسخة <input type="checkbox"/> MOI <input type="checkbox"/> NKY <input type="checkbox"/> CONTRACTOR <input type="checkbox"/> S/C | | | | | |
| Document no. BU1-O-FM-04 rev. 0 | | | | | |
| Date: 4-12-2018/ File Name: Material Approval Form | | | | | |

| | | | | | |
|---|---|--|-------------------------------------|---|---|
|  | | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 (E1,E2,E4,E5) | |  ARCHITECTS & ENGINEERS | |
| | |  Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | | | |
| نموذج طلب تقديم مواد / MATERIAL SUBMITTAL FORM | | | | | |
| Site No/الموقع رقم | General | Site Name/اسم | KAP2E2- (E1,E2,E4,E5) | Project No./ رقم المشروع | 1/53/35/134 |
| Bldg. No./ رقم المبنى | General | Bldg. Name/ اسم المبنى | Main Mosque, Student Mosque, | Location/المكان | Makkah&Madina |
| To/إلى : | NKY - Architects & Engineers | | Submittal No/ رقم | KAP2E2-MT-ARC-GEN-8210-4012-1 | |
| Attention/ عناية : | Salaheldin Shinewrah (PD) | | Date & Time / الوقت و | 25-Nov-2018 | |
| From/من : | Sabry Salama (Project Director) | | Request Return | 02-Dec-2018 | |
| تفاصيل المادة المقدمة / MATERIALS DETAILS | | | | | |
| Material Description/ وصف المادة : | Sample of Decorative Wooden leaf with breacing Teak for frames and Leaf's stiles and rails / Meranti wood for Horizontal breacing+ Teak veneer | | | | |
| Standard / Specifications/ المواصفات | Division 8210 | | | | |
| Supplier/Manufacturer/ المصنع/المورد: | Dar Metal Industries | | | | |
| Contact Person/المسؤول : | Ahmed Taher | | | | |
| Address Details/العنوان: | Riyadh, K.S.A. | | | | |
| Local Agent/الوكيلة: | Dar Metal Industries | | | | |
| Contact Person /المسؤول المحلي: | Ahmed Taher | | Mob. +966 598288277 | | |
| Address Details/العنوان المحلي: | Riyadh, K.S.A. | | | | |
| Availability / المصدر | <input checked="" type="checkbox"/> | Local / محلي | <input type="checkbox"/> | Imported / مستورد | <input type="checkbox"/> |
| Status / التوصيف | <input type="checkbox"/> | Specified / موصف | <input type="checkbox"/> | Alternative / بديل | <input type="checkbox"/> |
| المرفقات / ENCLOSURES | | | | | |
| Catalogue / كتالوج Technical Data Sheet | <input type="checkbox"/> | Sample / عينات | <input checked="" type="checkbox"/> | List of Suppliers / قائمة موردين | <input type="checkbox"/> |
| Product Verification / شهادة توثيق | <input type="checkbox"/> | Comparison Sheet / قائمة مقارنة | <input type="checkbox"/> | Other / أخرى | <input type="checkbox"/> |
| Contractor's Note / ملاحظات المقاول: 1 Copy + 1 C.D.+1 SAMPLE | | | | | |
| 1- The Supplier is approved under submission KAP2E2-DC-ARC-GEN-3359-0. | | | | | |
| Submitted for/ التقديم من الغرض من : <input checked="" type="checkbox"/> Approval/ للإعتماد <input type="checkbox"/> Information/ للمعلومات <input type="checkbox"/> Coordination/ للتنسيق | | | | | |
| Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications). المقاول: عند تعبئة النموذج يشهد المقاول أن الوثائق تتطابق مع مواصفات العقد | | | | | |
| Signature/ التوقيع: |  | Date/ التاريخ: | 25-Nov-2018 | Signature/ التوقيع: |  |
| Contr.'s Repress. PD/PM/المقاول: | Eng. Sabry Salama (Project Director) | | Prepared by/ المصمم: | Eng. Hamed | |
| Engineer : (For Engineer's use only) | | | | | |
| Received by اسم المستلم: | | Received Date تاريخ الإستلام: | | Received Time وقت الإستلام: | |
| Engineer Comments/ توصيات الإستشاري : Refer to attached comment sheet. | | | | | |
| This approval does not relieve the contractor of his responsibility as per the contract. | | | | | |
| Engineer Signature توقيع الإستشاري: |  | Title: الوظيفة: | Head of Arch | Date التاريخ: | 27/12/2018 |
| Result: <input type="checkbox"/> A- Approved <input checked="" type="checkbox"/> B- Approved as Noted Return Clear Copy <input type="checkbox"/> C- Revise & Resubmit <input type="checkbox"/> D- Received for information <input type="checkbox"/> E- Rejected <input type="checkbox"/> F- No Action | | | | | |




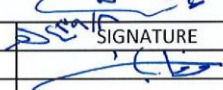

Distribution Copy نسخة MOI NKY CONTRACTOR S/C

Document no. BU1-O-FM-04 rev. 0

Date: 25-11-2018/ File Name: Material Approval Form

| | | | | | |
|--|---|---|---|---|--|
|  | | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 (E1,E2,E4,E5) | |  | |
| | |  Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | | | |
| MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد | | | | | |
| Site No/رقم الموقع | General | Site Name/اسم الموقع | KAP2E2- (E1,E2,E4,E5) | Project No./رقم المشروع | 1/53/35/134 |
| Bldg. No./رقم المبنى | 0013 | Bldg. Name/اسم المبنى | Musical Building | Location/المكان | Makkah&Madina |
| To/إلى : | NKY – Architects & Engineers | | Submittal No./رقم التقديم : | KAP2E2-MT-ARC-GEN-0013-6400-3813-1 | |
| Attention/عناية : | Salaheidin Shnewrah (Project Director) | | Date & Time / الوقت و : | 17-July-2018 | |
| From/من : | Sabry Salama (Project Director) | | Request Return Date : | 24-July-2018 | |
| MATERIALS DETAILS / تفصيل المادة المقدمة | | | | | |
| Material Description/وصف المادة : | Wooden flooring & wall cladding with Acoustic Mat | | | | |
| Standard / Specifications/المواصفات | Division 6400 | | | | |
| Supplier/Manufacturer/المصنع/المورد: | Dar Metal Industries | | | | |
| Contact Person/المسؤول : | Ahmed Taher | | | | |
| Address Details/العنوان: | Riyadh, K.S.A. | | | | |
| Local Agent/الوكيلة: | Dar Metal Industries | | | | |
| Contact Person /المسؤول المحلي: | Ahmed Taher | | Mob. +966 598288277 | | |
| Address Details/العنوان المحلي: | Riyadh, K.S.A. | | | | |
| Availability/المصدر: | <input checked="" type="checkbox"/> | Local/محلي | <input type="checkbox"/> | Imported/مستورد | <input type="checkbox"/> |
| Status/التوصيف : | <input type="checkbox"/> | Specified/مؤسف | <input type="checkbox"/> | Alternative/بديل | <input type="checkbox"/> |
| ENCLOSURES / المرفقات | | | | | |
| <input checked="" type="checkbox"/> | Catalogue / كتالوج Technical Data Sheet | <input type="checkbox"/> | Sample / عينة | <input type="checkbox"/> | List of Suppliers / قائمة موردين |
| <input type="checkbox"/> | Product Verification / شهادة توثيق | <input type="checkbox"/> | Comparison Sheet / قائمة مقارنة | <input type="checkbox"/> | Other / اخرى |
| Contractor's Note / ملاحظات المقاول: 1 Copy + 1 C.D.+2 SAMPLES | | | | | |
| 1- The Supplier is approved under submission KAP2E2-DC-ARC-GEN-3359-0 | | | | | |
| Submitted for/الغرض من التقديم : <input checked="" type="checkbox"/> Approval/الإعتماد <input type="checkbox"/> Information/المعلومات <input type="checkbox"/> Coordination/التنسيق | | | | | |
| Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications). المقاول: عند تعبئة النموذج يشهد المقاول ان الوثيقة تتوافق مع مواصفات العقد | | | | | |
| Signature/التوقيع: | <i>Sabry Salama</i> | Signature/التوقيع: | 17-July-2018 | Signature/التوقيع: | 17-July-2018 |
| Contractor's Representative PM/PD/ممثل المقاول: | Engr. Sabry Salama (Project Director) | Prepared by/مستعد من قبل: | Engr. Hesham Ahmed | Date/التاريخ: | 17-July-2018 |
| Engineer : (For Engineer's use only) | | | | | |
| Received by اسم المستلم: | | Received Date تاريخ الإستلام: | | Received Time وقت الإستلام: | |
| Engineer Comments/توصيات الاستشاري : <i>Refer to attached Comment sheet.</i> This approval does not relieve the contractor of his responsibility as per the contract. | | | | | |
| Engineer Signature توقيع الاستشاري: | <i>[Signature]</i> | Title/الوظيفة: | Head of Arch. | Date التاريخ: | 02/08/2018 |
| Result: | | | | | |
| <input type="checkbox"/> | A- Approved يتمتع | <input checked="" type="checkbox"/> | B- Approved as Noted Return Clear Copy يتمتع بملاحظات | <input type="checkbox"/> | C- Revise & Resubmit يراجع ويعد التقديم |
| <input type="checkbox"/> | E- Rejected مرفوض | <input type="checkbox"/> | F- No Action بدون إجراء | <input type="checkbox"/> | D- Received for information استلم للمعلومية |
| Distribution Copy/نسخة | <input type="checkbox"/> MOI | <input type="checkbox"/> NKY | <input type="checkbox"/> CONTRACTOR | <input type="checkbox"/> S/C | |

| | | | |
|--|---|---|---|
| PROJECT NAME : NETWORK OPERATION CENTER (NOC) & PARKING BUILDING | | STC التصالات السعودية | |
| PROJECT LOCATION : STC - HQ- Mursalat | | شركة استشاريون مهندسون وإدارة مشاريع DELTA CONSULTING ENGINEER DESIGN & PROJECT MANAGER | |
| PROJECT NO. : 0665022 | | شركة للطرفية للتجارة والمقاولات Al-latifa Trading & Contracting Co. | |
| STC NETWORK OPERATION CENTRE | | J-154 اللطفية Al-latifa | |
| STC NETWORK OPERATION CENTER | | | |
| TECHNICAL SUBMITTAL (TS) | | | |
| <input type="checkbox"/> New Submittal | Submittal No.: TS-AR-059-A | Revision No. | 01 |
| <input checked="" type="checkbox"/> Resubmittal | Submittal Date: 30/04/2018 | Previous Submittal Date: | 30/04/2018 |
| DISCIPLINE <input type="checkbox"/> GENERAL USE <input type="checkbox"/> STRUCTURAL/CIVIL <input checked="" type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> HVAC <input type="checkbox"/> PLUMBING <input type="checkbox"/> FIRE FIGHTING <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LC () | | | |
| DESCRIPTION Prequalification Submittal - Wooden Doors and Frames | | ATTACHMENTS: <input checked="" type="checkbox"/> TECH. BROCHURE & Catalogs <input type="checkbox"/> CERTIFICATE <input type="checkbox"/> MANUFACTURER / supplier file <input type="checkbox"/> METHOD STATEMENT <input type="checkbox"/> SAMPLES <input type="checkbox"/> O&M MANUALS <input type="checkbox"/> SPARE PART LIST <input type="checkbox"/> WARRANTY <input type="checkbox"/> OTHERS | APPROVAL STATUS <input type="checkbox"/> A: Approved <input checked="" type="checkbox"/> B: Approved As Noted <input type="checkbox"/> C: Revise and Re-submit <input type="checkbox"/> D: Disapproved <input type="checkbox"/> E: No Action |
| Specification: Section 08 210 | BOQ: | | |
| MANUFACTURER DAR METAL INDUSTRIES | SUPPLIER / LOCAL AGENT DAR METAL INDUSTRIES | ORIGIN KSA | B Action Code |
| Contractor Project Manager : Mohamed Anwar | | Signature | Date: 09/07/18 |
| STC / CONSULTANT COMMENTS: <i>* See comments on attachment-1</i> | | | |
| | | | |
| CONSULTANT ENGINEER Name: <i>M. Al-hadi</i> Signature: Date: 10/07/18 | | CONSULTANT PM Name: <i>Tsca Handi</i> Signature: Date: 10/7/18 | |
| STC REP. Name: <i>Hasan</i> Signature: Date: 10/7/18 | | REF. OUT Signature: Date: | |
| REF. IN | Signature : Date : | REF. OUT | Signature: Date: |

| CONSULTANT | | PROJECT | | CONTRACTOR | |
|--|--|--|---|---|--|
|  ZUHAIIR FAYEZ PARTNERSHIP | |  KING KHALID UNIVERSITY | |  SAUDI ARABIAN BAYTUR | |
| REQUEST FOR INSPECTION | | | | | |
| Discipline: <input type="checkbox"/> Civil/Structural <input checked="" type="checkbox"/> Sign: <input type="checkbox"/> Electrical <input type="checkbox"/> Mechanical <input checked="" type="checkbox"/> Architectural <input type="checkbox"/> Medical | | | | | |
| SUBJECT WORK REQUESTED FOR INSPECTION | | LOCATION | | RFI No. | |
| MOCKUP: | | MM09 | | I-ARCH-MM09-0723. REV 01 | |
| KINDLY FIND ATTACHED REQUEST OF INSPECTION FOR WOODEN DOOR INSTALLATION MOCKUP AT MM09 BUILDING | | Date of Inspection | | Spec's. Ref. | |
| REFER SD-MM09-A-1.306 | | April 18, 2018 | | 08210 | |
| LOCATION:- MM09 - GROUND FLOOR | | Time of Inspection | | Date In | |
| | | 11.00 am | | April 18, 2018 | |
| | | Drawing No. | | Date out | |
| | | SD-MM09-A-1.306 | | April 24, 2018 | |
| Attachments | | | | | |
| <input type="checkbox"/> Checklists <input checked="" type="checkbox"/> Related Drawings <input checked="" type="checkbox"/> Others | | | | | |
| ZFP REMARKS | | | | | |
| Mock-up is accepted as noted on pgs# | | | | | |
| (1A/q) and (1B/q) | | | | | |
| INSPECTION RESULTS | | | | | |
| CODE | STATUS | DATE | SIGNATURE | | |
| (A) | Work is accepted <i>as noted</i> | 23/4/18 |  | | |
| B | Revise & Resubmit: Work May be Accepted, subject to incorporation of changes indicated | | | | |
| C | Work not accepted. Rework, adjust, and resubmit | | | | |
| D | Not ready. Resubmit when ready. | | | | |
| CONTRACTOR | | | CONSULTANT | | |
| Acceptance does not relieve the contractor of his Responsibility under the terms of the contract nor Authorized additional compensation. We hereby submit/resubmit for inspection of above subject works and confirm herewith that above works are completed and ready for inspection as stated above all in accordance with the specifications, drawings, and consultant instruction. All items have been coordinated with future works of all other disciplines. | | | Above subject works have been visually inspected by the Consultant and found acceptable. Not Acceptable as per the code given above. | | |
| Signature/Initial of Department In - Charge SAB Construction Dept.: <u>ADNAN YILMAZ</u> SAB Safety Department: <u>UMIT KOSAR</u> SAB QA/QC Department: <u>JAFAR MEETHIAN</u> Date: <u>April 18, 2018</u> | | | Date: <u>23 APR 2018</u> Name: <u>WAFAEI ELKHOLY</u> Position: <u>Sr. Architect</u> Signature: <u></u> Date: <u>23/4/18</u> | | |

Eng. Philip

| | | |
|---|--------------------------------------|----------------------|
| ZUHAIR FAYEZ PARTNERSHIP <i>cover BAYTUR</i> | KKU MEDICAL CITY MALE CAMPUS MM09 | SAUDI ARABIAN BAYTUR |
| | | |

03 FEB 2018

All -> Eng. Notary

SUBMITTAL FORM

SUBJECT: MM09 Auditorium Decoration System - Prequalification for Auditorium Wooden Doors & Frames.

| | | | |
|-----------------------------|--|-------------|--|
| Specs. Code & Ref. 08210 | B.O.Q. Code Ref. MM09 - Conference Center | Drawing No. | Submittal No. J10-03600-1/S-MT-ARCH-0187-I Rev-00 ✓ |
| Date Received: | | | Date Returned: |

Sub-contractor
Name: ALSHROUK Address: NAJRAN, SAUDI ARABIA
Address: AL KHALDYA, KING ABDUL AZIZ ROAD Phone: +966 17 5226668 Telex:

| | |
|--|---|
| Manufacturer Name: Address: Phone: Fax: | Supplier/ Agent Name: <u>ALSHROUK</u> Address: <u>AL KHALDYA, KING ABDUL AZIZ ROAD, NAJRAN, SAUDI ARABIA</u> Phone: <u>+966 17 5226668</u> Fax: <u>+966 17 5226668</u> Telex: |
|--|---|

Information submitted and attached:

| | |
|--|---|
| <input checked="" type="checkbox"/> Certificates | <input type="checkbox"/> Operation & Maintenance Manual |
| <input checked="" type="checkbox"/> Technical Brochure | <input type="checkbox"/> Spare Parts List |
| <input type="checkbox"/> Manufacturer's Data & Specs. | <input type="checkbox"/> As Built Drawings |
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Warranty |
| <input type="checkbox"/> Samples | <input type="checkbox"/> Others (Specify) |



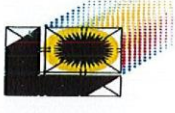




Contractor's Comments: Manufacturer PQ attached / Subcontractor Supplier were already approved by KKU/ZFP for MM09 Auditorium Decoration System (J10-03600-1/S-MT-ARCH-0187 Rev-00, 187A & 187B).
See Attachment

Note: This review does not relieve the contractor (Contractor) Eng. Ayman Al Harbi of his responsibilities under the terms of the contract nor authorize additional compensation.
Signature: Acting Project Director Date: 03/02/2018
SAUDI ARABIAN BAYTUR
C.R: 2051037631

Consultant's Comments: *Status 2 (Approved as noted). Refer to comments on attached material committee form.*
See Attachment




| | | | |
|---|---|------------------------|--------------------------------|
| Status: | Discipline | Sign & Date | Resident Engineer |
| 1 Approved <input type="checkbox"/> | <input checked="" type="checkbox"/> Arch. | | Sign: Date: <u>6-2-2018</u> |
| 2 Approved as noted <input checked="" type="checkbox"/> | <input type="checkbox"/> Civil | | |
| 3 Revise and submit <input type="checkbox"/> | <input type="checkbox"/> Mech. | | |
| 4 Rejected <input type="checkbox"/> | <input type="checkbox"/> Elec. | | |
| | <input type="checkbox"/> HVAC. | | |
| | <input type="checkbox"/> LS. <input type="checkbox"/> MED. | | |

Client's Comments:

| | | |
|---|--|---|
| <p>ZUHAIR FAYEZ PARTNERSHIP</p>  | <p>KING KHALED UNIVERSITY</p>  | <p>SAUDI ARABIAN BAYTUR KKU MEDICAL CITY - MALE CAMPUS PH-2 SAUDI ARABIAN BAYTUR</p> |
| <p>Item No (BOQ) and Description : MM09 Auditoriums Decoration System - Prequalification for Auditorium Wooden Doors & Frames .</p> <p>Division : 08 SECTION 08210</p> | <p>Name and Address of Supplier : ALSHROUK AL KHALDYA, KING ABDUL AZIZ ROAD, NAJRAN, SAUDI ARABIA</p> <p>SAB Submittal Reference : J10-03600-S/MT-ARCH 0187-I REV-00</p> | |
| <p>Consultants Recommendation</p> | | <p>THE MANUFACTURER TECHNICAL DATA IS COMPLYING WITH SPECIFICATION. NO SAMPLE SUBMITTED. THE SUPPLIER HAS ALREADY BEEN PREVIOUSLY APPROVED</p> <p><input type="checkbox"/> 1 Approved</p> <p><input checked="" type="checkbox"/> 2 Approved as Noted</p> <p><input type="checkbox"/> 3 Revise & Resubmit</p> <p><input type="checkbox"/> 4 Rejected</p> |
| <p>ZFP Signature:</p> <p> Phillip Velasquez</p> <p> Mohammed Najeeb</p> <p> Ebrahim Ebad</p> <p>Wafaey Mostafa M. Elkholy</p> <p>Date : 06-02-2018</p> | | |
| <p>KKU Engineers Recommendation</p> | | <p>هذا المنتج وخدماته المذكورة في المواصفات مطابقة للمواصفات الفنية وبرنامج العمل على هذا المنتج في انتظار الموافقة</p> <p><input type="checkbox"/> 1 Approved</p> <p><input checked="" type="checkbox"/> 2 Approved as Noted</p> <p><input type="checkbox"/> 3 Revise & Resubmit</p> <p><input type="checkbox"/> 4 Rejected</p> |
| <p>Engr. Hassan Khairy KKU- Project Manager</p> <p>Date : 20-5-1439</p> | | |

Issue Date : 17-April 2017

Distribution: KKU ZFP SAB-2 Supplier

| | | |
|---|---|--|
| ZUHAIR FAYEZ PARTNERSHIP  | KKU MEDICAL CITY MALE CAMPUS MM09  | SAUDI ARABIAN BAYTUR  |
|---|---|--|

SUBMITTAL FORM

SUBJECT: MM09 Auditorium Decoration System – Prequalification for Auditorium Wooden Doors & Frames.

| | | | |
|-----------------------------|--|-------------|--|
| Specs. Code & Ref. 08210 | B.O.Q. Code Ref. MM09 – Conference Center | Drawing No. | Submittal No. J10-03600-1/S-MT-ARCH-0187-1 Rev-00 |
| | | | Date Received: _____ Date Returned: _____ |

Sub-contractor
Name: ALSHROUK Address: NAJRAN, SAUDI ARABIA
Address: AL KHALDYA, KING ABDUL AZIZ ROAD Phone: +966 17 5226668 Telex: _____

| | |
|--|--|
| Manufacturer Name: _____ Address: _____ Phone: _____ Fax: _____ | Supplier/ Agent Name: <u>ALSHROUK</u> Address: <u>AL KHALDYA, KING ABDUL AZIZ ROAD, NAJRAN, SAUDI ARABIA</u> Phone: <u>+966 17 5226668</u> Fax: <u>+966 17 5226668</u> Telex: _____ |
|--|--|


Information submitted and attached:

| | | | |
|------------------------------|-------------------------------------|--------------------------------|--------------------------|
| Certificates | <input checked="" type="checkbox"/> | Operation & Maintenance Manual | <input type="checkbox"/> |
| Technical Brochure | <input checked="" type="checkbox"/> | Spare Parts List | <input type="checkbox"/> |
| Manufacturer's Data & Specs. | <input type="checkbox"/> | As Built Drawings | <input type="checkbox"/> |
| Shop Drawings | <input type="checkbox"/> | Warranty | <input type="checkbox"/> |
| Samples | <input checked="" type="checkbox"/> | Others (Specify) | <input type="checkbox"/> |

Contractor's Comments: Manufacturer PQ attached / Subcontractor Supplier were already approved by KKU/ZFP for MM09 Auditorium Decoration System (J10-03600-1/S-MT-ARCH-0187 Rev-00, 187A & 187B).

See Attachment

Note: This review does not relieve the contractor (Contractor) Eng. Ayman Al Harbi of his responsibilities under the terms of the contract nor authorize additional Date 03/02/2018 compensation.

Signature: Acting Project Director 
Date: 03/02/2018
C.R. 2054037631

Consultant's Comments:

See Attachment

| Status: | Discipline | Sign & Date | Resident Engineer |
|--|---|-------------|----------------------------|
| 1 Approved <input type="checkbox"/> | <input checked="" type="checkbox"/> Arch. | | Sign: _____ Date: _____ |
| 2 Approved as noted <input type="checkbox"/> | <input type="checkbox"/> Civil | | |
| 3 Revise and submit <input type="checkbox"/> | <input type="checkbox"/> Mech. | | |
| 4 Rejected <input type="checkbox"/> | <input type="checkbox"/> Elec. | | |
| | <input type="checkbox"/> HVAC. | | |
| | <input type="checkbox"/> LS. | | |
| | <input type="checkbox"/> MED. | | |

Client's Comments:

| | | |
|---|--|---|
|  | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 (E2) |  ARCHITECTS & ENGINEERS |
| |  Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | |

MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد

| | | | | | |
|-----------------------|-------------------------------------|------------------------|------------------------|-------------------------------|------------------|
| Site No/الموقع رقم: | General | Site Name اسم الموقع: | KAP2E2 (E1,E2,E4,E5) | Project No./رقم المشروع: | 1/53/35/134 |
| Bldg. No./رقم المبنى: | General | Bldg. Name اسم المبنى: | General | Location/المكان: | Makkah & Madinah |
| To/إلى: | NKY – Architects & Engineers | | Submittal No./رقم: | KAP2E2-MT-ARC-GEN-6400-3691-1 | |
| Attention/عناية: | Salaheidin Shinewrah (PD) | | Date & Time / الوقت و: | 06-May-2018 | |
| From/من: | Ahmed Aboelghar (Project Director) | | Request Return Date : | 20-May-2018 | |

MATERIALS DETAILS / تفاصيل المادة المقدمة

| | | | | | |
|--------------------------------------|---|---------------------|--|--|--|
| Material Description/وصف المادة: | Technical submittal for Wooden Kitchen cabinet. | | | | |
| Standard / Specifications المواصفات: | Division – (6400) | | | | |
| Supplier/Manufacturer المصنع/المورد: | Dar Metal Industries | | | | |
| Contact Person/المسؤول: | Ahmed Taher | | | | |
| Address Details/العنوان: | Riyadh, K.S.A | | | | |
| Local Agent/الوكيلة: | Dar Metal Industries | | | | |
| Contact Person/المسؤول المحلي: | Ahmed Taher | Tel: +966 598288277 | | | |
| Address Details/العنوان المحلي: | Riyadh, K.S.A | | | | |



| | | |
|----------------------|--|--|
| Availability/المصدر: | <input checked="" type="checkbox"/> Local/محلي | <input type="checkbox"/> Imported/مستورد |
| Status/التوصيف: | <input checked="" type="checkbox"/> Specified/موصف | <input type="checkbox"/> Alternative/بدل |

ENCLOSURES / المرفقات

| | | |
|--|---|---|
| <input checked="" type="checkbox"/> Catalogue / كتالوج Technical Data Sheet | <input type="checkbox"/> Sample / عينات | <input type="checkbox"/> List of Suppliers / قائمة موردين |
| <input checked="" type="checkbox"/> Product Verification / شهادة توثيق | <input checked="" type="checkbox"/> Comparison Sheet / قائمة مقارنة | <input type="checkbox"/> Other / أخرى |

Contractor's Note / ملاحظات المقاول: 1 Hard copy+ cd+ 2 samples board
 1. The Supplier is approved under submission KAP2E2-DC-ARC-GEN-3359-0
 1. The sample is attached with REV.0 and approved by the consultant.

Submitted for/مقدم من: Approval/لإعداد Information/للمعلومية Coordination/للتسيق

Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications).

المقاول: عند تعبئة النموذج يشهد المقاول بان الوثائق تتطابق مع مواصفات العقد

Signature/التوقيع:  Date/التاريخ: 06-May-2018
 Material Eng. المهندس المواد: Engr. Ahmed Aboelghar (Project Director)

Contractor's Representative/ممثل المقاول:  Date/التاريخ: 06-May-2018
 Eng. Hesham Hamed

Engineer: (For Engineer's use only) Stamp

Received by/اسم المستلم: _____ Received Date/تاريخ الإستلام: _____ Received Time/وقت الإستلام: _____

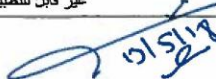
Engineer Comments/توصيات الاستشاري: **Refer to attached comment sheet.**
 هذه الموافقة لا تخلي المقاول من مسؤوليته حسب متطلبات العقد / This approval does not relieves the contractor of his responsibility as per the contract.

Engineer Signature/توقيع الاستشاري:  Title/الوظيفة: Head of Arch. Date/التاريخ: 12/05/2018

Result:

| | | | |
|--|--|--|--|
| <input type="checkbox"/> A- Approved يعتمد | <input checked="" type="checkbox"/> B- Approved as Noted يعتمد بملاحظات | <input type="checkbox"/> C- Revise & Resubmit يراجع ويعاد التقديم | <input type="checkbox"/> D- Rejected مرفوض |
| <input type="checkbox"/> I- For Information للمعلومية | <input type="checkbox"/> N- No Action لا إجراء | <input type="checkbox"/> T- Terminated ملغى | <input type="checkbox"/> N- Not Applicable غير قابل للتطبيق |

Distribution Copy/نسخة: MOI NKY CONTRACTOR S/C





| | | | |
|-----------------------|--|---|-------------------------------|
| Client: | Ministry Of Interior - MOI | Project Name: | KAP2 - Phase E2 |
| Engineer: | NKY Architects & Engineers - NKY | Reference Submittal / Transmittal: | KAP2E2-MT-ARC-GEN-6400-3691-1 |
| Contractor: | BEC Engineering Contracting Co. Ltd | Document Subject: | Kitchen Wooden cabinet |
| Project Title: | Material documents for Kitchen Wooden cabinets from Dar metal industries | Received Date: | 7-May-18 |
| | | Code: | B |

COMMENT SHEET

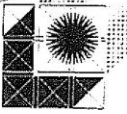


| | |
|----|--|
| 1 | Submit original catalogue to the artificial marble for the counter tops |
| 2 | All cabinet material is plywood 18 mm only to carcass, shelves and leaf while back is 8mm |
| 3 | provide full color selection to the cabinet box and doors together in one board |
| 4 | Provide compliance sheet with NEMA LD1 for surface finish |
| 5 | Provide compliance sheet with AWI 400 |
| 6 | Provide shop drawing to all cabinets for each location |
| 7 | the manufacturer is responsible to take and submit as built measurement for all spaces before start manufacturing to submit that shop drawing according to the measurement |
| 8 | drawer body shall be made of steel parts only drawer face from mahogany veneer |
| 9 | the manufacturer shall only follow approved shop drawing for manufacturing |
| 10 | finish to be submitted for client final approval |
| 11 | project specification in different sites requirement and standards to be strictly followed |
| 12 | installation to be done by experts as per standards and project specification |
| 13 | product to be delivered to site with proper packing and labels showing no. and location of each piece. |

Issued By:

| Name, Surname | Title | Signature | Date |
|---------------------|---------------------------------|-----------|----------|
| Basem S. AbdulBaset | Senior interior design engineer | | 5/9/2018 |

NKYS-PMN-GEN-COS-01

12/05/2018

| | | |
|--|--|--|
|  ZUHAIR FAYEZ PARTNERSHIP 16-5-18 | MILITARY INDUSTRIES CORP.  | UNITED ENGINEERING CONST.  |
|--|--|--|

REQUEST FOR INSPECTION (RFI)

| SUBJECT WORK REQUESTED FOR INSPECTION | LOCATION | RFI # No. |
|--|----------|-----------------|
| To check wooden teak, sample door colour at GF for villa no. VB-258 at G 7, zone 1, phase 1 as per attached. | G 7 | ARC-35949 |
| | | INSPECTION DATE |
| | | 17-5-2018 |
| | | INSPECTION TIME |
| | | 8:10am |

ZFP REMARKS

الموقع من اعتبار اللون للصنعة من الكود B
 الثاني -
 في حقا انفتح الصنعة قبل عمل الكود B
 في الكود B الصنعة من الكود B الصنعة من الكود B
 ويجب تسمية ما ظهر في الكود B -

INSPECTION RESULTS

| Code | Status | Date | Signature |
|------|-----------------------------|-----------|-----------|
| A | Work is accepted. Approved. | | |
| B | Approved as Noted. | 17/5/2018 | |
| C | Rejected. Resubmit. | | |

CONTRACTOR

This review does not relieve the contractor of his Responsibility under the terms of the contract nor Authorized additional compensation.
 We hereby submit/ resubmit for inspection of above subject works and confirm herewith that above works are completed and ready for inspection as stated above all in accordance with the specification, drawings, and consultant instruction. Contractor to complete the information below.

Name: Eng. Othman Qazaq

Position: PM

Signature: 

CONSULTANT

Above subject works have been visually inspected by the Consultant and found acceptable/ Not acceptable as per the code given above.

19 MAY 2018

Name: Eng. Mohamed Abo-Almaaref

Position: PM

Signature: 

| | | |
|--|--|---|
|  中国铁建 | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الخامسة The Custodian Of The Two Holy Mosques King Abdullah Bin Abdul-Aziz Project (KAP5-Area A,C,E) |  |
| |  Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | |

MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد

| | | | | | |
|-----------------------|-------------------------|------------------------|-----|-----------------------------|--|
| Site No/الموقع رقم: | All | Site Name/الموقع اسم: | All | Project No./المشروع رقم: | |
| Bldg. No./المبنى رقم: | All | Bldg. Name/المبنى اسم: | All | Location/المكان: | All |
| To/إلى: | Gesbau / Italconsult JV | | | Submittal No/الرقم التقديم: | KAP5-CRCC-00-000-00-MAT-AR-1021-Rev.00 |
| Attention/عناية: | Mr. Stuart Keane | | | Date & Time/الوقت والتاريخ: | 13/March/2018 - 09:00 am |
| From/من: | CRCC | | | Request Return Date: | |

MATERIALS DETAILS / تفاصيل المادة المقدمة

| | |
|--------------------------------------|--|
| Material Description/وصف المادة: | WOODEN DOORS (FIRE RATED & NON-FIRE RATED) |
| Standard / Specifications/المواصفات: | MTR |
| Supplier/Manufacturer/المورد/المصنع: | DAR METAL INDUSTRIES (Wood Division) |
| Contact Person/المسؤول: | Ahmed Taher (0598288277 / 0565506615) |
| Address Details/العنوان: | Riyadh - KSA |
| Local Agent/الوكيلة: | DAR METAL INDUSTRIES (Wood Division) |
| Contact Person/المسؤول المحلي: | Ahmed Taher (0598288277) |
| Address Details/العنوان المحلي: | Riyadh - KSA |

| | | |
|----------------------|----------------|-----------------|
| Availability/المصدر: | Local/محلي | Imported/مستورد |
| Status/التوصيف: | Specified/مؤسف | Alternative/بدل |

ENCLOSURES / المرفقات

| | | |
|--|-------------------------------|--------------------------------|
| Catalogue/كتالوج Technical Data Sheet | Sample/عينات | List of Suppliers/قائمة موردين |
| Product Verification/شهادة توثيق | Comparison Sheet/قائمة مقارنة | Other/أخرى |

Contractor's Note / ملاحظات المقاول:
Enclosures : 2 Technical Submittal with CD & 16 Samples

Submitted for/الغرض من التقديم: Approval/لإعتماد Information/للمعلومية Coordination/للتسيق

Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications).

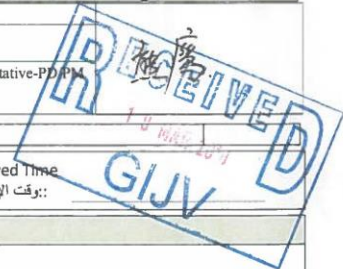
| | | |
|---|---------------------------------|-----------------------------------|
| Prepared by/المهندس المسؤول | DM Signature/توقيع مدير الإدارة | Signature/التوقيع |
| Deputy Project Manager/مدير نائب المشروع | Signature/توقيع مدير نائب | Contractor's Representative-PD/PM |

Engineer : (For Engineer's use only)

| | | |
|--------------------------|-------------------------------|-----------------------------|
| Received by/اسم المستلم: | Received Date/تاريخ الإستلام: | Received Time/وقت الإستلام: |
|--------------------------|-------------------------------|-----------------------------|

Engineer Comments/توصيات الإستشاري:

SEE THE REMARK IN TECHNICAL REPORT
 THE DAR METAL (ENGR TAHER) SUBMITTED THE
 REPLACEMENT OF SAMPLE FOR DOOR FRAMED,
 50mm thick to be used with electrical door strike,
 CUTTING SECTION OF SOLID OAK WOOD AND
 DETAIL OF ARCHITECTURE AS OF
 29th OF MARCH 2018.



| | | |
|---|---|---|
|  | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 (E1,E2,E4,E5) |  |
| |  Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | |

MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد

| | | | | | |
|-----------------------|---|------------------------|--|-------------------------------|--------------------|
| Site No/رقم الموقع: | General | Site Name/اسم الموقع: | KAP2E2- (E1,E2,E4,E5) | Project No./رقم المشروع: | 1/53/35/134 |
| Bldg. No./رقم المبنى: | General | Bldg. Name/اسم المبنى: | Main Mosque, Student Mosque, Clinic, Educational Building, Theatre | Location/المكان: | Makkah & Al Madina |
| To/إلى: | NKY - Architects & Engineers | | Submission No./رقم التقديم: | KAP2E2-MT-STR-GEN-6400-3599-0 | |
| Attention/عناية: | Salaheldin Shinewrah (Project Director) | | Date & Time/الوقت و التاريخ: | 20-Mar-2018 | |
| From/من: | Ahmed Abouelghar (Project Director) | | Request Return Date: | 03-Apr-2018 | |

MATERIALS DETAILS / تفاصيل المادة المقدمة

| | | | | | |
|--------------------------------------|--|----------------|--------------------------|------------------|--------------------------|
| Material Description/وصف المادة: | Decorative Wooden Works(Wooden skirting-Shoe rack-Mihrab-opening cladding) | | | | |
| Standard / Specifications/المواصفات: | Division 6400 | | | | |
| Supplier/Manufacturer/المصنع/المورد: | Dar Metal Industries | | | | |
| Contact Person/المسؤول: | Ahmed Taher | | | | |
| Address Details/العنوان: | Riyadh, K.S.A. | | | | |
| Local Agent/الوكالة: | Dar Metal Industries | | | | |
| Contact Person/المسؤول المحلي: | Ahmed Taher | | Mob. +966 598288277 | | |
| Address Details/العنوان المحلي: | Riyadh, K.S.A. | | | | |
| Availability/المصدر: | <input checked="" type="checkbox"/> | Local/محلي | <input type="checkbox"/> | Imported/مستورد | <input type="checkbox"/> |
| Status/التوصيف: | <input type="checkbox"/> | Specified/موصف | <input type="checkbox"/> | Alternative/بديل | <input type="checkbox"/> |



ENCLOSURES / المرفقات

| | | | | | |
|-------------------------------------|--|--------------------------|-------------------------------|--------------------------|--------------------------------|
| <input checked="" type="checkbox"/> | Catalogue/كتالوج Technical Data Sheet | <input type="checkbox"/> | Sample/عينات | <input type="checkbox"/> | List of Suppliers/قائمة موردين |
| <input checked="" type="checkbox"/> | Product Verification/شهادة توثيق | <input type="checkbox"/> | Comparison Sheet/قائمة مقارنة | <input type="checkbox"/> | Other/أخرى |

Contractor's Note / ملاحظات المقاول: 1 Copy + 1 C.D.+5 SAMPLES

1- The Supplier is approved under submission KAP2E2-DC-ARC-GEN-3359-0

Submitted for/الغرض من التقديم: Approval/لإعتماد Information/معلومات Coordination/للتسيق

Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications).

المقاول: عند تعبئة النموذج يشهد المقاول أن الوثائق تتطابق مع مواصفات العقد

| | | | |
|--|---------------------------|--|---------------------------|
| Signature/التوقيع:  | Date/التاريخ: 20-Mar-2018 | Signature/التوقيع:  | Date/التاريخ: 20-Mar-2018 |
| Material Eng. المهندس المواد: Engr. Ahmed Abouelghar (Project Director) | | Contractor's Representative/ممثل المقاول: Eng. Hesham Hameed | |



Engineer: (For Engineer's use only)

| | | |
|--------------------------|-------------------------------|-----------------------------|
| Received by/اسم المستلم: | Received Date/تاريخ الاستلام: | Received Time/وقت الاستلام: |
|--------------------------|-------------------------------|-----------------------------|

Engineer Comments/توصيات الاستشاري:

Refer to attached Comment sheet.







This approval does not relieve the contractor of his responsibility as per the contract.

| | | |
|---|---|---|
| Engineer Signature/توقيع الاستشاري:  | Title/الوظيفة: H. o. ARCH | Date/التاريخ: 01-04-2018 |
| Result:  | | |
| <input type="checkbox"/> A- Approved يعتمد | <input checked="" type="checkbox"/> B- Approved as Noted Return Clear Copy يعتمد بملاحظات | <input type="checkbox"/> C- Revise & Resubmit يراجع ويعاد التقديم |
| <input type="checkbox"/> E- Rejected مرفوض | <input type="checkbox"/> F- No Action بدون اجراء | <input type="checkbox"/> D- Received for information استلم للمعلومية |

Distribution Copy/نسخة MOI NKY CONTRACTOR S/C

Document no. BU1-O-FM-04 rev. 0

Date: 20-3-2018/ File Name: Material Approval Form

| | | | | | |
|---|--|--|--|--|--|
|  | | وكالة التخطيط والتطوير الأمني | |  | |
| مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-5 Group4 | | | | | |
| PREQUALIFICATION SUBMITTAL FORM / نموذج تقديم وثائق تأهيل | | REF. # | | KAP5-BEC-00-000-00-PRQ-AR-8716-00 | |
| TITLE: Wooden Works | | | | | |
| Site No. & Name/ اسم ورقم الموقع | | ALL | | Sector No. ALL | |
| Bldg. No. & Name/ اسم ورقم العنبر | | ALL | | Prototype ALL | |
| To / إلى: | | GESBAU-ITALCONSULT JV | | From: B E C | |
| | | | | Date: 11-Dec-2017 | |
| Discipline/التخصص | | | | | |
| <input checked="" type="checkbox"/> Architectural <input type="checkbox"/> Structural <input type="checkbox"/> Electrical <input type="checkbox"/> Mechanical <input type="checkbox"/> Civil <input type="checkbox"/> General <input type="checkbox"/> Others | | | | | |
| COMPANY / SUPPLIER PROFILE | | | | | |
| Supplier / Manufacturer / المصنع/المورد: | | DAR Metal Industries | | | |
| Contact Person / المسؤول: | | | | | |
| Job/Work Specifications / المواصفات | | Prequalification for Wooden Works | | | |
| ENCLOSURES / المرفقات | | | | | |
| <input checked="" type="checkbox"/> Catalogue / كتالوج Technical Data Sheet | | <input type="checkbox"/> Sample / عينة | | <input type="checkbox"/> List of Suppliers / قائمة موردين | |
| <input type="checkbox"/> Product Verification / شهادة توثيق | | <input type="checkbox"/> Comparison Sheet / قائمة مقارنة | | <input type="checkbox"/> Other / أخرى | |
| Note: The Submittal Includes 2 Copies of Catalogues + 1 CD | | | | | |
| Submitted For : <input checked="" type="checkbox"/> Approval Information <input type="checkbox"/> Coordination | | | | | |
| Note: By completing the form Contractor certifies that subject drawings comply with contract conditions. معد تسمية النموذج بشهد المقارن ان الوثائق تتطابق مع مواصفات العقد | | | | | |
| Prepared by: Eng. Mohamed Gouda | | Signature:  | | Signature:  | |
| Deputy Project Manager Signature: | | | | Contractor Representative / PD/PM | |
| GIJV USE ONLY | | | | | |
| Received by DCC : Sign | | Date: 17 DEC 2017 | | Time: | |
| Engineer's Comments : | | | | | |
| Comments mentioned in the attached Technical Report , your status is 'B' - Approved as noted. | | | | | |
| Sign by Engineer:  | | Title: Material Engineer. | | Date: 14/12/2017 | |
| This approval does not relieve the contractor of his responsibility as per the contract. | | | | | |
| <input type="checkbox"/> A- Approved <input checked="" type="checkbox"/> B- Approved as noted <input type="checkbox"/> C-Revise and Resubmit <input type="checkbox"/> D-Rejected | | | | | |
| Distribution Copy <input type="checkbox"/> MOI <input type="checkbox"/> GIJV <input type="checkbox"/> CONTRACTOR | | | | | |
|  | | | | | |

| | | مشروع خادم الحرمين الشريفين لتطوير العقارات الامنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-5 Group4 | | | |
|---|---------------------------------------|--|--|--|--------|
| | | | | Kingdom of Saudi Arabia وكالة التخطيط والتطوير العمراني | |
| SHOP DRAWING SUBMITTAL FORM / نموذج تقديم المخططات | | | REF. # | KAP5-BEC-00-000-00-SDS-AR-9125-02 | |
| DESCRIPTION | | Wooden Doors | | | |
| Site No. & Name/ أسيور رقم الموقع | | ALL | Sector No. | ALL | |
| Bldg. No. & Name/ أسيور رقم العنصر | | General | Prototype | ALL | |
| To / إلى: | | GESBAU-ITALCONSULT JV | | From | BEC |
| | | | Date | 28-Mar-2018 | |
| DRAWING DETAILS / بيانات مستندات | | | | | |
| S# | DRAWING REF. NO / مخطط رقم | SUBMITTAL TYPE نوع المستند | REV رقم التعديل | DRAWING DESCRIPTION / مخطط اسم | STATUS |
| 1. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-810 | SD | 00 | (0000-General) Wooden Flush Door – Fire Rated – Door Types A | B |
| 2. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-811 | SD | 00 | (0000-General) Solid Wooden Panel Door – Non Fire Rated – Door Types A | B |
| 3. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-812 | SD | 00 | (0000-General) Wooden Flush Door – Fire Rated – Door Types B | B |
| 4. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-813 | SD | 00 | (0000-General) Solid Wooden Panel Door – Non Fire Rated – Door Types B | B |
| 5. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-814 | SD | 00 | (0000-General) Wooden Flush Door – Non Fire Rated – Door Types C | B |
| 6. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-815 | SD | 00 | (0000-General) Wooden Flush Door – Fire Rated – Door Types C | B |
| 7. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-816 | SD | 02 | (0000-General) Wooden Flush Door (With Louver) NFR – Door Types C | B |
| 8. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-817 | SD | 00 | (0000-General) Wooden Flush Door (With Louver) Fire Rated – Door Types C | B |
| 9. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-818 | SD | 00 | (0000-General) Wooden Flush Door – Non Fire Rated – Door Types L | B |
| 10. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-819 | SD | 00 | (0000-General) Wooden Flush Door – Fire Rated – Door Types L | B |
| 11. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-820 | SD | 00 | (0000-General) Wooden Flush Door – Non Fire Rated – Door Types F | B |
| 12. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-821 | SD | 00 | (0000-General) Wooden Flush Door – Fire Rated – Door Types F | B |
| 13. | KAP5-BEC-00-000-00-DWG-SD-0000-AR-822 | SD | 00 | (0000-General) HPL Finish Door – Non Fire Rated Door Types I | B |
| DISCIPLINE / التخصص | | | | | |
| <input checked="" type="checkbox"/> Architectural <input type="checkbox"/> Structural <input type="checkbox"/> Electrical <input type="checkbox"/> Mechanical <input type="checkbox"/> Civil <input type="checkbox"/> General <input type="checkbox"/> Others | | | | | |
| Enclosures / المرفقات | | | Copies / النسخ | | |
| DAR | | | <input checked="" type="checkbox"/> Hard Copy / النسخ <input checked="" type="checkbox"/> Soft copy / نسخة إلكترونية | | |
| Submitted For: | | | | | |
| <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Coordination | | | | | |
| Note: By completing the form Contractor certifies that subject drawings comply with contract conditions. (المقر شروط مع تطبيق المخططات ان على المقاول يثبت النموذج تبعه عند: بملاحظة المقاول ان على المقاول يثبت النموذج تبعه عند) | | | | | |
| Prepared by: | Eng. Ahmed Elsahn | Signature: | | Signature: | |
| Deputy Project Manager Signature: | | | Contractor Representative- PD/IPM : Eng. Fahad Aljasser (Project Manager) | | |
| GIJV USE ONLY | | | | | |
| Received by DCC : | | Sign | | Date: | |
| Engineer's Comments : | | | | | |
| SEE COMMENTS IN THE ATTACHED DRAWINGS. | | | | | |

هذا الموافقة لا تخفي المقول من مسؤوليته حسب متطلبات العقد / This approval does not relieve the contractor of his responsibility as per the contract.

RECEIVED
08 APR 2018
Bec
12480

| | | |
|--|--|---|
|  中国铁建 | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الخامسة The Custodian Of The Two Holy Mosques King Abdullah Bin Abdul-Aziz Project (KAP5-Area A,C,E) |  |
| |  Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | |

MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد

| | | | | | |
|-----------------------|-------------------------|------------------------|-----|-----------------------------|--|
| Site No/الموقع رقم: | All | Site Name/الموقع اسم: | All | Project No./المشروع رقم: | |
| Bldg. No./المبنى رقم: | All | Bldg. Name/المبنى اسم: | All | Location/المكان: | All |
| To/إلى: | Gesbau / Italconsult JV | | | Submittal No/الرقم التقديم: | KAP5-CRCC-00-000-00-MAT-AR-1021-Rev.00 |
| Attention/عناية: | Mr. Stuart Keane | | | Date & Time/الوقت والتاريخ: | 13/March/2018 - 09:00 am |
| From/من: | CRCC | | | Request Return Date: | |

MATERIALS DETAILS / تفاصيل المادة المقدمة

| | |
|--------------------------------------|--|
| Material Description/وصف المادة: | WOODEN DOORS (FIRE RATED & NON-FIRE RATED) |
| Standard / Specifications/المواصفات: | MTR |
| Supplier/Manufacturer/المورد/المصنع: | DAR METAL INDUSTRIES (Wood Division) |
| Contact Person/المسؤول: | Ahmed Taher (0598288277 / 0565506615) |
| Address Details/العنوان: | Riyadh - KSA |
| Local Agent/الوكيلة: | DAR METAL INDUSTRIES (Wood Division) |
| Contact Person/المسؤول المحلي: | Ahmed Taher (0598288277) |
| Address Details/العنوان المحلي: | Riyadh - KSA |

| | | |
|----------------------|----------------|-----------------|
| Availability/المصدر: | Local/محلي | Imported/مستورد |
| Status/التوصيف: | Specified/مؤسف | Alternative/بدل |

ENCLOSURES / المرفقات

| | | |
|--|-------------------------------|--------------------------------|
| Catalogue/كتالوج Technical Data Sheet | Sample/عينات | List of Suppliers/قائمة موردين |
| Product Verification/شهادة توثيق | Comparison Sheet/قائمة مقارنة | Other/أخرى |

Contractor's Note / ملاحظات المقاول:
Enclosures : 2 Technical Submittal with CD & 16 Samples

Submitted for/الغرض من التقديم: Approval/لإعتماد Information/للمعلومية Coordination/للتسيق

Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications).

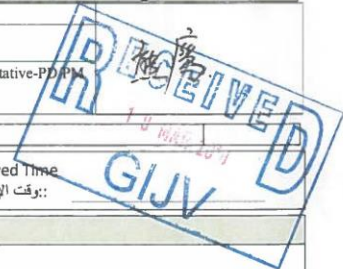
| | | |
|---|---------------------------------|-----------------------------------|
| Prepared by/المهندس المسؤول | DM Signature/توقيع مدير الإدارة | Signature/التوقيع |
| Deputy Project Manager/مدير نائب المشروع | Signature/توقيع مدير نائب | Contractor's Representative-PD/PM |







Engineer : (For Engineer's use only)

| | | |
|--------------------------|-------------------------------|-----------------------------|
| Received by/اسم المستلم: | Received Date/تاريخ الإستلام: | Received Time/وقت الإستلام: |
|--------------------------|-------------------------------|-----------------------------|


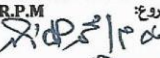
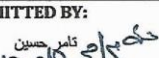

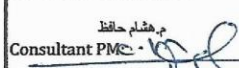
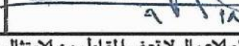
Engineer Comments/توصيات الإستشاري:

SEE THE REMARK IN TECHNICAL REPORT
THE DAR METAL (ENGR TAHER) SUBMITTED THE
REPLACEMENT OF SAMPLE FOR DOOR FRAMED,
50mm thick to be used with electrical door strike,
CUTTING SECTION OF SOLID OAK WOOD AND
DETAIL OF ARCHITECTURE AS OF
29th OF MARCH 2018.



| | | | | | |
|--|---|--|---------------------------------|---|--|
|  | | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 (E1,E2,E4,E5) | |  | |
| | |  Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني | | | |
| MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد | | | | | |
| Site No/الموقع رقم: | General | Site Name/اسم الموقع: | KAP2E2- (E1,E2,E4,E5) | Project No./رقم المشروع: | 1/53/35/134 |
| Bldg. No./رقم المبنى: | 0012 | Bldg. Name/اسم المبنى: | CLINIC Building | Location/المكان: | Makkah&Madina |
| To/الى: | NKY – Architects & Engineers | | Submission No./رقم التقديم: | KAP2E2-MT-ARC-0012-6400-3812-0 | |
| Attention/عناية: | Salaheldin Shinewrah (PD) | | Date & Time/الوقت و التاريخ: | 28-May-2018 | |
| From/من: | Ahmed Aboelghar (Project Director) | | Request Return Date: | 11-Jun-2018 | |
| MATERIALS DETAILS / تفاصيل المادة المقدمه | | | | | |
| Material Description/وصف المادة: | Decorative wood partition | | | | |
| Standard / Specifications/المواصفات: | Division 6400 | | | | |
| Supplier/Manufacturer/المصنع/المورد: | Dar Metal Industries | | | | |
| Contact Person/المسؤول: | Ahmed Taher | | | | |
| Address Details/العنوان: | Riyadh, K.S.A. | | | | |
| Local Agent/الوكالة: | Dar Metal Industries | | | | |
| Contact Person/المسؤول المحلي: | Ahmed Taher | | Mob. +966 598288277 | | |
| Address Details/العنوان المحلي: | Riyadh, K.S.A. | | | | |
| Availability/المصدر: | <input checked="" type="checkbox"/> | Local/محلي | <input type="checkbox"/> | Imported/مستورد | <input type="checkbox"/> |
| Status/التوصيف: | <input type="checkbox"/> | Specified/مؤسف | <input type="checkbox"/> | Alternative/بدلي | <input type="checkbox"/> |
| ENCLOSURES / المرفقات | | | | | |
| <input type="checkbox"/> | Catalogue / Technical Data Sheet | <input type="checkbox"/> | Sample / عينة | <input type="checkbox"/> | List of Suppliers / قائمة موردين |
| <input type="checkbox"/> | Product Verification / شهادة توثيق | <input type="checkbox"/> | Comparison Sheet / قائمة مقارنة | <input type="checkbox"/> | Other / اخرى |
| Contractor's Note / ملاحظات المقبول: 1 Copy + 1 C.D.+2 SAMPLES | | | | | |
| 1- The Supplier is approved under submission KAP2E2-DC-ARC-GEN-3359-0 | | | | | |
| Submitted for/الغرض من التقديم: <input checked="" type="checkbox"/> Approval/للاعتدال <input type="checkbox"/> Information/للمعلومية <input type="checkbox"/> Coordination/للتسيق | | | | | |
| Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications). | | | | | |
| Signature/التوقيع: |  | Date/التاريخ: | 28-May-2018 | Signature/التوقيع: |  |
| Material Eng. /مهندس المواد: | Engr. Ahmed Aboelghar (Project Director) | Contractor's Representative/ممثل المقبول: | Eng. Hesham Haffar | Date/التاريخ: | 28-May-2018 |
| Engineer : (For Engineer's use only) | | | | | |
| Received by/أسم المستلم: | Received Date/تاريخ الإستلام: | Received Time/وقت الإستلام: | | | |
| Engineer Comments/توصيات الاستشاري: <i>Refer to attached Comment sheet.</i> | | | | | |
| This approval does not relieve the contractor of his responsibility as per the contract. | | | | | |
| Engineer Signature/توقيع الاستشاري: |  | Title/الوظيفة: | H. O. ARCH. | Date/التاريخ: | 3-7-2018 |
| Result: <input type="checkbox"/> A- Approved / يعتمد <input checked="" type="checkbox"/> B- Approved as Noted / يعتمد بملاحظات <input type="checkbox"/> C- Revise & Resubmit / تراجع و يعاد التقديم <input type="checkbox"/> D- Received for information / استلم للمعلومية <input type="checkbox"/> E- Rejected / مرفوض <input type="checkbox"/> F- No Action / بدون اجراء | | | | | |
| Distribution Copy / نسخة: <input type="checkbox"/> MOI <input type="checkbox"/> NKY <input type="checkbox"/> CONTRACTOR <input type="checkbox"/> S/C | | | | | |

| | | | |
|---|--|---|--|
| PROJECT NAME : NETWORK OPERATION CENTER (NOC) & PARKING BUILDING | | STC الاتصالات السعودية | |
| PROJECT LOCATION : STC - HQ- Mursalat | | اللطيفية J-154 Al-latifa STC NETWORK OPERATION CENTER | |
| PROJECT NO.: STC NETWORK OPERATION CENTRE 0665022 | | دلتا مهندسون استشاريون مهندسون وازراء مشرفون DELTA CONSULTING ENGINEERS DESIGN & PROJECT MANAGEMENT الشركة للطبقة للتجارة والمقاولات Al-latifa Trading & Contracting Co | |
| 19 AUG 2018 RECEIVED 10:01 TECHNICAL SUBMITTAL (TS) | | | |
| <input checked="" type="checkbox"/> New Submittal | Submittal No.: TS-AR-114 | Revision No. | 00 |
| <input type="checkbox"/> Resubmittal | Submittal Date: 19/08/2018 | Previous Submittal Date: | N/A |
| DISCIPLINE <input type="checkbox"/> GENERAL USE <input type="checkbox"/> STRUCTURAL/CIVIL <input checked="" type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> HVAC <input type="checkbox"/> PLUMBING <input type="checkbox"/> FIRE FIGHTING <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LC () | | | |
| DESCRIPTION Prequalification Submittal - Joinery Works & Wooden Flooring | | ATTACHMENTS: | APPROVAL STATUS |
| Specification: 06100, 06400, 09550 BOQ: | | <input checked="" type="checkbox"/> TECH. BROCHURE & Catalogs <input type="checkbox"/> CERTIFICATE <input type="checkbox"/> MANUFACTURER / supplier file <input type="checkbox"/> METHOD STATEMENT <input type="checkbox"/> SAMPLES <input type="checkbox"/> O&M MANUALS <input type="checkbox"/> SPARE PART LIST <input type="checkbox"/> WARRANTY <input type="checkbox"/> OTHERS | <input type="checkbox"/> A: Approved <input checked="" type="checkbox"/> B: Approved As Noted <input type="checkbox"/> C: Revise and Re-submit <input type="checkbox"/> D: Disapproved <input type="checkbox"/> E: No Action |
| MANUFACTURER DAR METAL INDUSTRIES WOOD DIVISION | SUPPLIER / LOCAL AGENT DAR METAL INDUSTRIES WOOD DIVISION | ORIGIN KSA | B Action Code |
| Project Manager : Mohamed Anwar | | Signature: <i>Mohamed Anwar</i> | Date: 19-Aug-18 |
| STC / CONSULTANT COMMENTS: * This approval is for supplier only, material to be submitted as per project specs seperatly for review and approval * clarify origin of raw material * submit list of previous projects and clarify your scope of work with its value (wall cladding, flooring, cabinets, etc...) | | | |
| CONSULTANT ENGINEER Name: M. Alkhatib Signature: <i>M. Alkhatib</i> Date: 19/08/18 | | CONSULTANT PM Name: Issa Hadzi Signature: <i>Issa Hadzi</i> Date: 19/8/18 | STC REP. Name: <i>Issa Hadzi</i> Signature: <i>Issa Hadzi</i> Date: 19/8/18 |
| REF. IN | Signature: | REF. OUT | Signature: |
| | Date: | | Date: |

| | | | |
|---|---|--|---|
| IR NO: -89 رقم الطلب: 0 عدد مرات التقديم السابقة: | | طلب اعتماد مواد | |
| مشروع: إنشاء مبنى وحدات سكنية مفروشة (ديم المناهل) بحي الهدا - الرياض | | | |
| Contractor: | المقاول: | CONSULTANT: | الاستشاري: |
| شركة رسو للمقاولات  | | عبد الاله المحننا مخططون - معماريون - مهندسون ABDULELAH AL-MOHANNA PLANNERS ARCHITECTS ENGINEERS Riyadh 11545 P.O.P.O. 60322 TEL: +966 4893460 FAX: +966 4790461 | |
| Client: | المالك: | شركة ديم المناهل للاستثمار المحدودة | |
| Start P. Date: | تاريخ بداية المشروع: | Project No. | رقم المشروع: |
| End P. Date: | تاريخ نهاية المشروع: | Contract No. | رقم العقد: |
| ARCH <input type="checkbox"/> معماري STR <input type="checkbox"/> إنشائي ELEC <input type="checkbox"/> كهرباء MECH <input type="checkbox"/> ميكانيكا Other <input type="checkbox"/> الأخرى | | SUBMITTED BY: <input checked="" type="checkbox"/> Shop Drawings <input type="checkbox"/> مخططات تنفيذية <input type="checkbox"/> Materials مواد | |
| CONTR.P.M | | مدير المشروع: | |
| مهندس:  | | مهندس:  | |
| التوقيع: SING. | | التوقيع:  | |
| Attached Doc: | | عدد المرفقات: 4 | |
| No. Pages: 4 | | C.R.: 2051051732 | |
| جدول الكميات | المواصفات الفنية | كتالوج الصانع | وصف بند الأعمال |
| BOQ. REF. | SPEC. REF. | MFG.CAT. OR CONTR. DRAWING | DESCRIPTION OF ITEM SUBMITTED |
| | مصنع دار المعدن للأبواب الخشبية | 4 عينة | 1 باب رئيسي مدخل الوحدات مقاوم للحريق D22 |
| | | | 2 باب غرف النوم D23 غير مقاوم للحريق |
| | | | 3 باب الحمامات D24 غير مقاوم للحريق |
| | | | 4 LAUNDRY |
| يشهد المقاول ان المواد والمخططات المطلوب اعتمادها أو الاعمال المطلوب استلامها روجعت تفصيلياً ومطابقة لرسومات العقد ومواصفاته باستثناء ما ينص على خلاف ذلك. | | | |
| Consultant's Eng. | | تاريخ استلام الاستشاري: | |
| Remarks: | | الملاحظات: | |
| <p>بما تم استلام المواد والمخططات المطلوب اعتمادها أو الاعمال المطلوب استلامها روجعت تفصيلياً ومطابقة لرسومات العقد ومواصفاته باستثناء ما ينص على خلاف ذلك.</p> <p>بما تم استلام المواد والمخططات المطلوب اعتمادها أو الاعمال المطلوب استلامها روجعت تفصيلياً ومطابقة لرسومات العقد ومواصفاته باستثناء ما ينص على خلاف ذلك.</p> | | | |
| <input type="checkbox"/> A | <input type="checkbox"/> Approved | <input type="checkbox"/> B | <input type="checkbox"/> Approved except as note |
| <input type="checkbox"/> C | <input type="checkbox"/> Resubmit as note | <input type="checkbox"/> D | <input type="checkbox"/> Disapproved |
| (OWNER) | ممثل المالك | ختم الاستشاري | الاستشاري |
| التوقيع: | | Consultant Stamp: | مهندس المشروع الاستشاري: |
| | | | التوقيع:  |
| | | | مدير المشروع الاستشاري: |
| | | | التوقيع:  |
| الاعتمادات الموجودة بالنموذج أو استلام الاعمال لا تعفي المقاول من الامتثال لمتطلبات العقد ومواصفاته، وهذه المراجعة هي فقط لقياس التوافق مع المفهوم التصميمي للمشروع والالتزام بالمعلومات المتصوص عليها في مستندات العقد، ولا يعتمد أي تغيير في الكميات أو المواد بدون موافقة الجهة المالكة رسمياً. | | | |
| SIGNATURE : | | CONTRACTOR RECEIVAL ON | استلام المقاول بتاريخ: 2018 / / م |
| التوقيع: | | NAME : | الإسم: |

| | | | | | | |
|--|------------------------|---|--|----------------------|-------------|-------------|
| PROJECT : Mayasem Development, Jeddah | | TRANSMITTAL SHEET (MATERIAL) | | | | |
| CLIENT: Mayasem Establishment | | TRANSMITTAL NUMBER | | | | |
| CONSULTANT: KPFF Global | | MDP - BEC - ZG - PR1 - PK1 - MAR - ARC - 29 | | | | |
| CONTRACTOR: Beijing Emirates International Construction (BEC) | | Date: 21 / 02 / 2018 | | | | |
| SUBCONTRACTOR: | | Project Name: PRIMARY SCHOOL (KED) | | | | |
| Description: Technical Submittal of DAR Metal Industries for Skirting. | | Zone: G46-49 | | Project Number: PR01 | | |
| Package Number: PK01 | | | | | | |
| Type of Document: <input type="checkbox"/> Shop Drawings <input type="checkbox"/> Pre-Qualification <input type="checkbox"/> Procedure <input type="checkbox"/> Test Result/ Certificates <input type="checkbox"/> Specification / Design <input checked="" type="checkbox"/> Material Submittal/ Samples <input type="checkbox"/> Calculation / Data Sheet <input type="checkbox"/> Progress Reports <input type="checkbox"/> Schedule <input type="checkbox"/> Inspection & Test Plan <input type="checkbox"/> Programme <input type="checkbox"/> Others <input type="checkbox"/> Method Statement <input type="checkbox"/> Sketch <input type="checkbox"/> Manuals | | | | | | |
| Discipline (if applicable) <input type="checkbox"/> Architecture <input type="checkbox"/> Structure <input type="checkbox"/> Mechanical/ HVAC <input type="checkbox"/> Electrical <input type="checkbox"/> Fire Fighting <input type="checkbox"/> Building Automation <input type="checkbox"/> ELV <input type="checkbox"/> Plumbing <input type="checkbox"/> Vertical Transportation <input type="checkbox"/> Survey <input type="checkbox"/> Others | | | | | | |
| LOCATION: G46-49 | | | SPECIFICATION AND BOO REF NO. | | | |
| WE ARE SENDING HERewith DOCUMENTS/ DRAWINGS/ SAMPLES AS LISTED BELOW: | | | | | | |
| Sr. no. | Document / Drawing No. | Rev no. | DESCRIPTION | NO. OF SHEETS | ACTION CODE | STATUS CODE |
| 1 | MDP-BEC-ZG-MAR-ARC-29 | 00 | Technical Submittal of DAR Metal Industries for Skirting. With 02 Pes Sample | 302 | I | B |
| CONFIRMATION BY CONTRACTOR: This is to certify that the submission has been reviewed, coordinated in details and is in strict conformance with contract documents except as otherwise stated | | | | | | |
| Reviewed & Initiated by (Contractor): Name: Taha Kamel Designation: Project Manager Signature: [Signature] Date: 21/02/2018 Stamp: [BEC Stamp] | | | Received by KPFF: Name/ Signature: [Signature] Date: 21-2-18 Stamp: [KPFF Stamp] | | | |
| ACTION CODE: 1 - For Action 2 - For Information | | | | | | |
| STATUS CODE: A - Reviewed, Conforms to Design Intent, Contractor may proceed with procurement/ construction B - Reviewed with Comments, Contractor may proceed with procurement/ construction incorporating Engineer's comments C - Rejected, contractor to resubmit D - For information only | | | | | | |
| CONSULTANT COMMENTS: | | | | | | |
| Please, see attached comments | | | | | | |
| Name: Abid Kouryeh Designation: C.M. Signature: [Signature] Date: 4/March/2018 | | | | | | |
| Corrections or comments made relative to submittals during this review does not relieve the contractor from compliance with the requirements of the contract documents. This check is only for review of general conformance with the design intent of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and coordinating all quantities and dimensions, selecting fabrication process and techniques of construction, coordinating his work with all trades, and performing his work in a safe and satisfactory manner, in accordance with the contract documents. | | | | | | |
| Received by Contractor: Signature: [Signature] Stamp: [BEC Stamp] Date: 05 MAR 2018 | | | | | | |

| | | | | | | |
|--|---|--|--|------------------|-------------|-------------|
| PROJECT : | Mayasem Development, Jeddah | TRANSMITTAL SHEET (MATERIAL) | | | | |
| CLIENT: | Mayasem Establishment | TRANSMITTAL NUMBER | | | | |
| CONSULTANT: | KPFF Global | MDP - BEC - ZG - PRI - PK1 - MAR - ARC - 057 - 2 | | | | |
| CONTRACTOR: | Beijing Emirates International Construction (BEC) | Date: | 20 / 09 / 2018 | | | |
| SUBCONTRACTOR: | | Project Name: | PRIMARY SCHOOL | | | |
| | | Zone: | G46-49 | Project Number: | PR01 | |
| | | | | Package Number: | PK01 | |
| | | Description: | Technical Submittal of DAR Metal Industries for Wooden Door. | | | |
| Type of Document: | | | | | | |
| <input type="checkbox"/> Shop Drawings <input type="checkbox"/> Pre-Qualification <input type="checkbox"/> Procedure <input type="checkbox"/> Test Result/ Certificates <input type="checkbox"/> Specification / Design <input type="checkbox"/> Material Submittal/ Samples <input type="checkbox"/> Calculation / Data Sheet <input type="checkbox"/> Progress Reports <input type="checkbox"/> Schedule <input type="checkbox"/> Inspection & Test Plan <input type="checkbox"/> Programme <input type="checkbox"/> Others <input type="checkbox"/> Method Statement <input type="checkbox"/> Sketch <input type="checkbox"/> Manuals | | | | | | |
| Discipline (if applicable) | | | | | | |
| <input checked="" type="checkbox"/> Architecture <input type="checkbox"/> Structure <input type="checkbox"/> Mechanical/ HVAC <input type="checkbox"/> Electrical <input type="checkbox"/> Fire Fighting <input type="checkbox"/> Building Automation <input type="checkbox"/> ELV <input type="checkbox"/> Plumbing <input type="checkbox"/> Vertical Transportation <input type="checkbox"/> Survey <input type="checkbox"/> Others | | | | | | |
| LOCATION | | | SPECIFICATION AND BOO REF NO. | | | |
| G46-49 | | | | | | |
| WE ARE SENDING HERewith DOCUMENTS/ DRAWINGS/ SAMPLES AS LISTED BELOW: | | | | | | |
| Sr. no. | Document / Drawing No. | Rev no. | DESCRIPTION | NO. OF SHEETS | ACTION CODE | STATUS CODE |
| 1 | MDP-BEC-ZG-MAR-ARC-057 | 02 | Technical Submittal of DAR Metal Industries for Wooden Door. With Samples | 37 | I | B |
| Contractor Note: Submitted for Wooden Door up to STC 35. | | | | | | |
| CONFIRMATION BY CONTRACTOR: | | | | | | |
| This is to certify that the submission has been reviewed, coordinated in accordance with the contract documents except as otherwise stated | | | | | | |
| Reviewed & Initiated by (Contractor): | | | Received by KPFF: | | | |
| Name: | Taha Kamel | Designation: | Project Manager | Name/ Signature: | | |
| Signature: | | Stamp: | | Date: | 20-9-2018 | |
| ACTION CODE: | | | | | | |
| 1 - For Action | | | | | | |
| STATUS CODE: | | | | | | |
| A - Reviewed, Conforms to Design Intent, Contractor may proceed with procurement/ construction | | | | | | |
| B - Reviewed with Comments, Contractor may proceed with procurement/ construction incorporating Engineer's comments | | | | | | |
| C - Rejected, contractor to resubmit | | | | | | |
| D - For information only | | | | | | |
| E - Revise & Resubmit incorporating Engineer's comments | | | | | | |
| CONSULTANT COMMENTS: | | | | | | |
| <p>ok, see attached comments, this approval was granted only for door with stc rating from 29 to 35</p> | | | | | | |
| Name: | | | Designation: | | | |
| Mohid Yousef | | | C.M | | | |
| Signature: | | | Date: | | | |
| | | | 29-sept-2018 | | | |
| Corrections or comments made relative to submittals during this review does not release the contractor from compliance with the requirements of the contract documents. This check is only for review of general conformance with the design intent of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication process and techniques of construction, coordinating his work with all trades, and performing his work in a safe and satisfactory manner, in accordance with the contract documents. | | | | | | |
| Received by Contractor: | | | | | | |
| Signature: | | Stamp: | | Date: | | |

| | | | |
|---|--------------------------|------------------------------------|--|
| The Engineer: | The Employer: | Contract Administrator: | The Contractor: UNITED ENGINEERING CONSTRUCTION EST. 1976 |
| CITY CENTER ISHBIYYAH (ENABLING PROJECT) | | | |

| | | |
|----------------------------|---------|------------------------|
| Technical Submittal | Ref.No. | KSA201-UNEC-PW-MTS-115 |
| | Rev.No. | 0 |
| | Date: | 07/10/2018 |

Subject of Submittal: Material Submittal Kitchen Cabinet Dar Metal Industries for Site Cabin Office.

Discipline: Mechanical Civil Structural Electrical Architectural

Enclosure: Pre-Qualification Method Statement Guarantee Certificate Test Result
 Operation & Manual Project Quality Plan HSE Plan Calculation Survey
 Material Sample Report Technical Data

Contractor's Project Manager: Engr. Walid Al Hassan Date: 07/10/2018

Design Consultant Manager: Dr. Mohammed Ismail Date: 09/10/2018

Design Consultant Manager Comments:

- Refer Approved sample for color.
- Separate submittal for hardware to be made.
- No liability can be shown & transferred towards RFA of M.H.I.

Approval Status:

Code A - Approved
 Code B - Approved As Noted
 Code C - Not Approved, Resubmit
 For Information Only

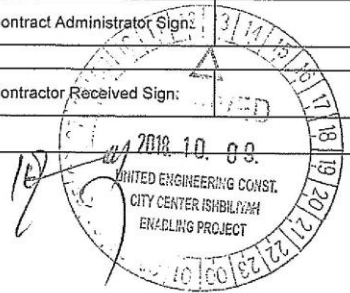
Notes:

Reviewed By: Date: 8/10/18

Contract Administrator Comments:

Contract Administrator Sign: _____ Date: _____

Contractor Received Sign: _____ Date: _____



1
2018 OCT 07
 3:00

| | | | |
|---|---|--|--|
| The Engineer: | The Employer: ماجد الفطيم MAJID AL FUTTAIM | Contract Administrator: FAITHFUL+GOULD CONSTRUCTIVE EXPERTISE | The Contractor: UNITED ENGINEERING CONSTRUCTION EST. 1976 |
| CITY CENTER ISBILIYAH (ENABLING PROJECT) | | | |

| | | |
|----------------------------|----------------|-------------------------|
| Technical Submittal | Ref.No. | KSA201-UNEC-PW-MTS-0081 |
| | Rev.No. | 1 |
| | Date: | 07/10/2018 |

Subject of Submittal: Pre-Qualification Dar Material Industries for Site Cabin Office.

Discipline: Mechanical Civil Structural Electrical Architectural

Enclosure: Pre-Qualification Method Statement Guarantee Certificate Test Result
 Operation & Manual Project Quality Plan HSE Plan Calculation Survey
 Material Sample Report Technical Data

Contractor's Project Manager: Engr. Walid Al Hassan Date: 07/10/2018

Design Consultant Manager: Dr. Mohammed Ismail Date: 09/10/2018

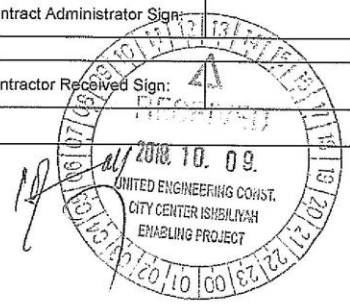
| | |
|---|---|
| Design Consultant Manager Comments: | Approval Status: |
| <i>① All submitted materials should comply local requirements with no liability shared or transferred towards UNEEC & MAF</i> | <input type="checkbox"/> Code A - Approved <input checked="" type="checkbox"/> Code B - Approved As Noted <input type="checkbox"/> Code C - Not Approved, Resubmit <input type="checkbox"/> For Information Only |
| | Notes: |

Reviewed By: Date: 8/10/18.

Contract Administrator Comments:

Contract Administrator Sign: _____ **Date:** _____

Contractor Received Sign: _____ **Date:** _____



2018 OCT 07
 3:00

| | | | |
|--|---|--|--|
| The Engineer: | The Employer: ماجد الفطيم MAJID AL FUTTAIM | Contract Administrator: FAITHFUL+GOULD CONSTRUCTIVE EXPERTISE | The Contractor: UNITED ENGINEERING CONSTRUCTION EST. 1976 |
| CITY CENTER ISBILYAH (ENABLING PROJECT) | | | |

| | | |
|----------------------------|----------------|------------------------|
| Technical Submittal | Ref.No. | KSA201-UNEC-PW-MTS-111 |
| | Rev.No. | 0 |
| | Date: | 07/10/2018 |

Subject of Submittal: Material Submittal Metal Doors Dar Metal Industries for Site Cabin Office.

Discipline: Mechanical Civil Structural Electrical Architectural

Enclosure: Pre-Qualification Method Statement Guarantee Certificate Test Result
 Operation & Manual Project Quality Plan HSE Plan Calculation Survey
 Material Sample Report Technical Data

Contractor's Project Manager: Engr. Walid Al Hassan Date: 07/10/2018

Design Consultant Manager: Dr. Mohammed Ismail Date: 09/10/2018

Design Consultant Comments:

- This Approval is for Doors Only.
- Contractor to make a separate submittal for Hardware.
- Contractor to confirm color of Paint Type with MAF Architect.
- Contractor to ensure SBC 801 Compliance.
- This is a D&B Contract. No liability can be shared or transferred to MAF & MAFIT.

Approval Status:

Code A - Approved
 Code B - Approved As Noted
 Code C - Not Approved, Resubmit
 For Information Only

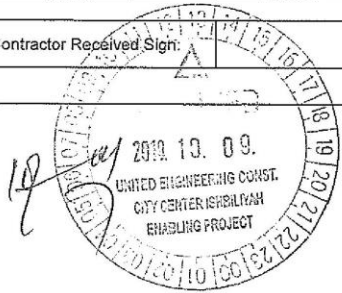
Notes:

Reviewed By: Date: 9/10/18

Contract Administrator Comments:

Contract Administrator Sign: _____ **Date:** _____

Contractor Received Sign: _____ **Date:** _____



| | | | |
|--|--|---|---|
| The Engineer: | The Employer: ماجد الفطيم MAJID AL FUTTAIM | Contract Administrator: FAITHFUL+GOULD CONSTRUCTIVE EXPERTISE | The Contractor: UNITED ENGINEERING CONSTRUCTION EST. 1976 |
| CITY CENTER ISBILIYAH (ENABLING PROJECT) | | | |

| | | |
|----------------------------|---------|------------------------|
| Technical Submittal | Ref.No. | KSA201-UNEC-PW-MTS-112 |
| | Rev.No. | 0 |
| | Date: | 07/10/2018 |

Subject of Submittal: Material Submittal Wooden Doors Dar Metal Industries for Site Cabin Office.

Discipline: Mechanical Civil Structural Electrical Architectural

Enclosure: Pre-Qualification Method Statement Guarantee Certificate Test Result
 Operation & Manual Project Quality Plan HSE Plan Calculation Survey
 Material Sample Report Technical Data

Contractor's Project Manager: Engr. Walid Al Hassan Date: 07/10/2018

Design Consultant Manager: Dr. Mohammed Ismail Date: 05/10/2018

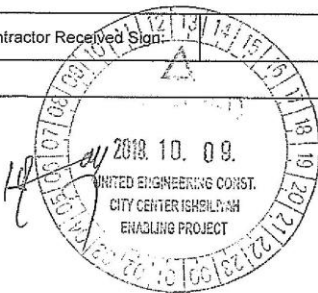
| | |
|---|---|
| Design Consultant Manager Comments: | Approval Status: |
| <p>① This Approval is only for Doors Only. Contractor has to make a separate submittal for Hardware</p> <p>② This is D&B Contract. All liabilities are with contractor and cannot be shared or transferred towards MAF of JAFSI.</p> <p>③ Contractor to ensure SBC 801 compliance</p> | <input type="checkbox"/> Code A - Approved <input checked="" type="checkbox"/> Code B - Approved As Noted <input type="checkbox"/> Code C - Not Approved, Resubmit <input type="checkbox"/> For Information Only |
| | Notes: |




Reviewed By: Date: 9/10/18

Contract Administrator Comments:

Contract Administrator Sign: _____ Date: _____

Contractor Received Sign: _____ Date: _____



| | | | |
|---|-------------------------------|---|--|
| PROJECT NAME : NETWORK OPERATION CENTER (NOC) & PARKING BUILDING | | STC الاتصالات السعودية | |
| PROJECT LOCATION : STC - HQ- Mursalat | | لنا مهندسون استشاريون مدير وإدارة مشاريع BETA CONSULTING ENGINEER DESIGN & PROJECT MANAGEMENT | |
| PROJECT NO. : 0665022 | | شركة للطبقة للتجارة والمقاولات Al-latifia Trading & Contracting Co. | |
|  | |  | |
| TECHNICAL SUBMITTAL (TS) | | | |
| <input type="checkbox"/> New Submittal <input checked="" type="checkbox"/> Resubmittal | | Submittal No.: TS-AR-142-A Revision No.: 01 | Submission Date: 10/10/2018 Previous Submittal Date: 25/09/2018 |
| DISCIPLINE <input type="checkbox"/> GENERAL USE <input type="checkbox"/> STRUCTURAL/CIVIL <input checked="" type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> HVAC <input type="checkbox"/> PLUMBING <input type="checkbox"/> FIRE FIGHTING <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LC () | | | |
| DESCRIPTION | | ATTACHMENTS: | APPROVAL STATUS |
| Material Submittal - Wooden Doors and Frames | | <input checked="" type="checkbox"/> TECH. BROCHURE & Catalogs <input type="checkbox"/> CERTIFICATE <input type="checkbox"/> MANUFACTURER / supplier file <input type="checkbox"/> METHOD STATEMENT <input type="checkbox"/> SAMPLES <input type="checkbox"/> O&M MANUALS <input type="checkbox"/> SPARE PART LIST <input type="checkbox"/> WARRANTY <input type="checkbox"/> OTHERS | <input type="checkbox"/> A: Approved <input checked="" type="checkbox"/> B: Approved As Noted <input type="checkbox"/> C: Revise and Re-submit <input type="checkbox"/> D: Disapproved <input type="checkbox"/> E: No Action |
| Specification: 08210 BOQ: | | | |
| MANUFACTURER | SUPPLIER / LOCAL AGENT | ORIGIN | |
| DAR METAL INDUSTRIES | DAR METAL INDUSTRIES | KSA | |
| | | <input checked="" type="checkbox"/> Action Code | |
| Project Manager : Mohamed Anwar | | Signature: Per / <i>Wagdy</i> Date: 10-Oct-18 | |
| STC / CONSULTANT COMMENTS : | | | |
| * See comments on attachment - 1 | | | |
|  | | | |
| CONSULTANT ENGINEER | | CONSULTANT PM | STC REP. |
| Name: <i>M. Alkhuwari</i> | | Name: <i>Z.H. Jm</i> | Name: <i>Hasan</i> |
| Signature: <i>[Signature]</i> | | Signature: <i>[Signature]</i> | Signature: <i>[Signature]</i> |
| Date: <i>21/10/18</i> | | Date: <i>22/10/18</i> | Date: <i>[Signature]</i> |
| REF. IN | Signature : | REF. OUT | Signature: |
| | Date : | | Date: |

| | | | |
|--|--|---|--|
| PROJECT NAME : NETWORK OPERATION CENTER (NOC) & PARKING BUILDING | | STC الاتصالات السعودية | |
| PROJECT LOCATION : STC - HQ- Mursalat | | دلتا مهندسون استشاريون تصميم وإدارة مشاريع DELTA CONSULTING ENGINEERS DESIGN & PROJECT MANAGEMENT | |
| PROJECT NO : 0665022 | | شركة الطرفية للتجارة والمقاولات Al-latifa Trading & Contracting Co. | |
| STC NETWORK OPERATION CENTRE | | J-154 اللطيفة Al-latifa STC NETWORK OPERATION CENTER | |
| 16 OCT 2018 TECHNICAL SUBMITTAL (TS) | | | |
| <input checked="" type="checkbox"/> New Submittal | | Revision No. : 00 | |
| Submittal No.: TS-AR-175 | | Previous Submittal Date: N/A | |
| <input type="checkbox"/> Resubmittal | | Submittal Date: 16/10/2018 | |
| DISCIPLINE <input type="checkbox"/> GENERAL USE <input type="checkbox"/> STRUCTURAL/CIVIL <input checked="" type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> HVAC <input type="checkbox"/> PLUMBING <input type="checkbox"/> FIRE FIGHTING <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> LC () | | | |
| DESCRIPTION Material Submittal - Wooden Cladding | | ATTACHMENTS: <input checked="" type="checkbox"/> TECH. BROCHURE & Catalogs <input type="checkbox"/> CERTIFICATE <input type="checkbox"/> MANUFACTURER / supplier file <input type="checkbox"/> METHOD STATEMENT <input type="checkbox"/> SAMPLES <input type="checkbox"/> O&M MANUALS <input type="checkbox"/> SPARE PART LIST <input type="checkbox"/> WARRANTY <input type="checkbox"/> OTHERS | |
| Specification: 09546 Acoustical Wood Cladding Panels | | BOQ: | |
| MANUFACTURER Dar Metal | | SUPPLIER / LOCAL AGENT Dar Metal | |
| ORIGIN KSA | | APPROVAL STATUS <input type="checkbox"/> A: Approved <input checked="" type="checkbox"/> B: Approved As Noted <input type="checkbox"/> C: Revise and Re-submit <input type="checkbox"/> D: Disapproved <input type="checkbox"/> E: No Action | |
| Project Manager : Mohamad Anwar | | Signature: <i>[Signature]</i> | |
| | | Date: 16-Oct-18 | |
| STC / CONSULTANT COMMENTS : <i>*see comments on attachment - 1</i> | | | |
| | | | |
| CONSULTANT ENGINEER Name: <i>M. Alkham</i> Signature: <i>[Signature]</i> Date: <i>17/24/10/18</i> | | CONSULTANT PM Name: <i>Z. H. J.</i> Signature: <i>[Signature]</i> Date: <i>25/10/18</i> | |
| STC REP. Name: _____ Signature: _____ Date: _____ | | REF. OUT Signature: _____ Date: _____ | |
| REF. IN Signature: _____ Date: _____ | | | |

**LIST OF MACHINERIES
& EQUIPMENT**

| SL. # | ITEM DESCRIPTION | QTY |
|-------|---|-----|
| 1 | MULTI RIP SAW – FOUR BLADES WEINIG PROFIRIP KST 310 | 2 |
| 2 | PRESSURE BEAM SAW HOLSHER CUT 82 | 2 |
| 3 | EDGE BANDER HOLZHER TRIATHLON | 2 |
| 4 | MULTI SPINDLE MOULDER WEINIG UNIMAT 500 | 2 |
| 5 | MULTI MILLING MACHINE OMEC F9 | 2 |
| 6 | CNC ROUTER MASTERWOOD PROJECT 300V2 | 3 |
| 7 | SANDINE CALIBRATION 3 BELTS VIER S3 333 RRRR1350 | 2 |
| 8 | VENEER GUILLOTINE CASATI CIM 31 | 2 |
| 9 | VENEER GUILLOTINE CROSS CUTTING CASATI CIM TIO 600 | 2 |
| 10 | VENEER SPLICING MACHINE CASATI Z1000 | 2 |
| 11 | VENEER GUILLOTINE CROSS CUTTING CASATI CIM TIO 600 | 2 |
| 12 | VENEER SPLICING MACHINE CASATI Z1000 | 2 |
| 13 | HOT PRESS ORMA NPC 6/110 RAY LIGHT | 3 |
| 14 | AUTO 2 ROLLERS GLUE SPREADER OSAMA S2R 1300 | 2 |
| 15 | EDGE BANDER FOR CURVED / ROUNDED PANELS | 2 |
| 16 | DOUBLE SIDE SANDING MACHINE VOLPATO LBK150/S FOR SOLID AND VENEERED EDGES | 2 |
| 17 | UNIVERSAL DOWEL HOLE DRILLING MACHINE GANNOMAT FORMAT | 2 |
| 18 | DOUBLE LINE AND KD FITTINGS DRILLING MACHINE GANNOMAT FORMAT 42 | 2 |
| 19 | BORING DOWELLING GLUING INSERTING MACHINE INDEX 70 LOGIC | 2 |
| 20 | RADIAL ARM SAW MACHINE MAGI ENGINEERING BEST 960 | 2 |

| SL. # | ITEM DESCRIPTION | QTY |
|-------|--|-----|
| 21 | BAND SAW MACHINE SOCOMEC SN900 | 3 |
| 22 | SURFACE PLANNER PAOLONI PF530N | 3 |
| 23 | SINGLE SPINDLE MOULDER TILTING HEAD PAOLONI T113CF | 3 |
| 24 | CIRCULAR SAW WITH DRIVER SCORER PAOLONI S260 | 2 |
| 25 | CHAIN MORTISER FRAMAR MC 60 | 3 |
| 26 | MITRE SAW VIRUTEX TM72C | 2 |
| 27 | THICKNESS PLANNER PAOLONI SP63N | 3 |
| 28 | AUTOMATIC KNIFE GRINDER OSAMA AFC/A-650 | 2 |
| 29 | STAINLESS STEEL DISCS TRANSFER DIA 122MM | 2 |
| 30 | DUST COLLECTOR | 2 |
| 31 | AEROMETAL WORKER 2400/30:11 | 2 |
| 32 | AEROMETAL WORKER 4500/45:1 | 2 |
| 33 | AIR VACUUM FORMING PRESS PM AIR 16/08 | 2 |
| 34 | SCREW COMPRESSOR 100HP | 2 |
| 35 | SCREW COMPRESSOR 75HP | 2 |
| 36 | AIR DRYER TDRY 143 | 2 |
| 37 | AIR RECEIVER TANK 2000LTR | 2 |
| 38 | FILTERS WITH 3 MICRON LEVEL | 2 |
| 39 | GRINDING MACHINE FOR SAW BLADES KAINDL SSG 600A-DC | 2 |
| 40 | LAGOS COMPLETE FINISHING AREA (HOTMELTCONTOR EDGE BANDER SMART + TRIMMING MACHINE) | 2 |
| 41 | VACCUM PVC PRESSING | 2 |



**FACTORY AT AL-KHARJ
SELECTED PICTURES**



DAR
Metal Industries
WOODEN DIVISION

شركة
دار المعدن للصناعة

س.ت ١٠١٠٢٠٠٦٨٧ رقم العضوية ١٤٩٥٨٨













FIRE RATED DOORS

CERTIFICATES

www.halspan.com



01/01/2019

Dar Metal Industries (Wood Division)
PO Box 250183
Street No 59
Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

FAO Ahmed Taher

Halspan Range (ITS / BS) British Specification

We hereby confirm authorisation to use our information in the design and fabrication of fire doors to 30, 60, 90, 120 Minutes fire resistance BS476 pt22.1987 in support of claims to the fire performance of doors so constructed.

| | |
|---------------|---|
| Listing 32870 | Halspan 30 Min Optima Fire Rated Door Assembly |
| Listing 33154 | Halspan 30 Min Prima & Halspan 30 Prima Plus Fire Rated Door Assembly |
| Listing 33278 | Halspan 60 Min Optima Fire Rated Door Assembly |
| Listing 33281 | Halspan 60 Min Prima & Halspan 60 Prima Plus Fire Rated Door Assembly |
| Listing 36183 | Halspan 60 Min Prima Plus Enhanced Door & Frame Assembly |
| Listing 33075 | Halspan 90 Min Fire Rated Wood Door Assembly |
| Listing 35788 | Halspan 120 Enhanced Fire Rated Wood Door Assembly |
| Listing 33207 | Halspan 45 Mineral Core (90 Min) Fire Rated Door Assembly |
| Listing 33214 | Halspan 45 Mineral Core (120 Min) Fire Rated Door Assembly |
| Listing 42033 | Halspan 90 BS476 Part-22 Universal / Universal HD Core Door |
| Listing 42924 | Halspan 90 Prima Plus |
| Listing 42979 | Halspan 120 Prima Plus |

The stipulation of this authorisation is that Halspan® is used as the core material.

Fabrication will be to sizes and tolerances stated, and it will be the responsibility of Dar Metal Industries (Wood Division) to ensure that these are adhered to at all times. It is also the responsibility of Dar Metal Industries (Wood Division) to ensure that the door set is fit for the purpose and long-term serviceability and conformity to recognised good practice.

Halspan® is a registered trade mark owned by Halspan Ltd and the name can only be used in the context of doors where the material is used.

As Halspan® is under continuous development there will be additional information made available from time to time. See www.halspan.com

We will withdraw our authorisation to Dar Metal Industries (Wood Division) if there is a failure to demonstrate the use of Halspan® or fabricate fire doors not in accordance with information given. This authorisation is valid in accordance with the dates shown on your Certificate of Compliance.

R W Williams
Halspan Ltd

HALSPAN LIMITED
Regent House, Regent Centre
Linthgow, EH49 7HU UK
Tel: +44 (0)1506 827538
Fax: +44 (0)1506 82596
Email: doors@halspan.com www.halspan.com
Reg No: SC194458



Dar Metal Industries (Wood Division)

Only Valid with Authorised Signature & Stamp

دار المعدن للصناعة
DAR METAL INDUSTRIES CO.

Halspan Limited
Regent House, Regent Centre
Linthgow, West Lothian EH49 7HU

tel: +44 (0) 1506 827538
fax: +44 (0) 1506 82596
email: doors@halspan.com

Registered Office: 1506 827538
Linthgow, West Lothian EH49 7HU
Registered in Scotland: 1506 827538



Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): UL 10(c) (2016)

Certificate number: WHI19 – 31427441

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

**Product: Ramkor International - Strebord 44 core - Single Leaf
Door Assembly - 20 Minutes Without Hose Stream - UL 10C
(SPEC ID 46757)**

Single leaf single acting doorset in wood frame

**For details related to maximum dimensions and allowable configurations,
see Appendix A (page 2 of 2 of this certificate)**

Certification body: Intertek Testing Services NA, Inc.

Initial registration: March 13, 2019

Date of expiry: December 31, 2019

Issue status: 1

Charles Meyers
Certification Manager
Name


Signature

13 Mar 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

The certificate and schedule are held in force by regular annual surveillance visits by Intertek Testing Services NA, Inc. and the reader or user should contact Intertek to validate its status. This certificate remains the property of Intertek Testing Services NA, Inc. and must be returned to them on demand. This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.



Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427407

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:
Dar Metal Industries (Wood Division)
P.O. Box 250183
Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

**Product: Halspan 30 Prima and Halspan 30 Prima Plus Fire
Rated Door Assembly (SPEC ID 33154)**

Maximum sizes: 30 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 13, 2018
Date of expiry: December 31, 2019
Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427409

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Halspan 90 Fire Rated Wood Door Assembly (Spec ID 33075)

Maximum sizes: 90 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427410

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Halspan 30 Optima Fire Rated Door Assembly (SPEC ID 32870)

Maximum sizes: 30 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427411

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:
Dar Metal Industries (Wood Division)
P.O. Box 250183
Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

**Product: Halspan 60 Optima Fire Rated Wood Door Assembly
(SPEC ID 33278)**

Maximum sizes: 60 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 13, 2018
Date of expiry: December 31, 2019
Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427412

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:
Dar Metal Industries (Wood Division)
P.O. Box 250183
Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

**Product: Halspan 60 Prima and Halspan 60 Prima Plus Fire
Rated Door Assembly (SPEC ID 33281)**

Maximum sizes: 60 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 13, 2018
Date of expiry: December 31, 2019
Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427413

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:
Dar Metal Industries (Wood Division)
P.O. Box 250183
Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

**Product: Halspan 120 Enhanced Fire Rated Wood Door Assembly
(SPEC ID 35788)**

Maximum sizes: 120 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 13, 2018
Date of expiry: December 31, 2019
Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

The certificate and schedule are held in force by regular annual surveillance visits by Intertek Testing Services NA, Inc. and the reader or user should contact Intertek to validate its status. This certificate remains the property of Intertek Testing Services NA, Inc. and must be returned to them on demand. This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.



Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427425

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Halspan 60 Minute Fire Rated Prima Plus Enhanced Door and Frame Assembly (SPEC ID 36183)

Maximum sizes: 60 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

25 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427429

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Halspan 45 Mineral Core Fire Rated Door Assembly (90 Minute) (SPEC ID 33207)

Maximum sizes: 90 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427430

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj

Riyadh, Kingdom of Saudi Arabia

Product: Halspan 45 Mineral Core Fire Rated Door Assembly (120 Minute) (SPEC ID 33214)

Maximum sizes: 120 minutes

See Appendix A

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427437

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:
Dar Metal Industries (Wood Division)
P.O. Box 250183
Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

**Product: Halspan (BS 476 Part-22) 90 Minute Universal and
Universal HD Core Doors**
(SPEC ID 42033)

Maximum sizes: 90 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 13, 2018
Date of expiry: December 31, 2019
Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427438

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:
Dar Metal Industries (Wood Division)
P.O. Box 250183
Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Halspan 90 Prima Plus
(SPEC ID 42924)

Maximum sizes: 90 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 13, 2018
Date of expiry: December 31, 2019
Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427439

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:
Dar Metal Industries (Wood Division)
P.O. Box 250183
Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Halspan 120 Prima Plus
(SPEC ID 42979)

Maximum sizes: 120 minutes
See Appendix A

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 13, 2018
Date of expiry: December 31, 2019
Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

25 Feb 2019
Date

www.intertek.com

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18 – 31427442

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Ramkor International - Strebord 44 - FD30 Particle Board Core door (SPEC ID 42944)

Single and Double leaf single acting doorset in wood frame

**For details related to maximum dimensions and allowable configurations,
see Appendix A (page 2 of 2 of this certificate)**

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18 – 31427443

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Ramkor International - Strebord 54 – FD60 Particle Board Core door (SPEC ID 42945)

Double leaf single acting doorset in wood or grouted steel frame

**For details related to maximum dimensions and allowable configurations,
see Appendix A (page 2 of 2 of this certificate)**

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18 – 31427444

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Ramkor International - FD90 Plus - 90 Minute Fire-Rated Particle Board Core Door (SPEC ID 42984)

Single and Double leaf single acting doorset in wood frame

For details related to maximum dimensions and allowable configurations, see Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18 – 31427445

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj

Riyadh, Kingdom of Saudi Arabia

Product: Ramkor International - FD120 Plus - 120 Minute Fire-Rated Particle Board Core Door (SPEC ID 44704)

Latched flush single leaf single acting doorset in wood frame

For details related to maximum dimensions and allowable configurations, see Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): UL 10(b) (2008), UL 10(c) (2009), UL 10(b) (2009), CAN / ULC S104 (2010), NFPA 252 (2012), CAN / ULC S104 (2015), UL 10(c) (2016), NFPA 252 (2017)

Certificate number: WHI18 – 31427414

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs - 20 Minute Solid Core Fire Door (SPEC ID 30396)

Maximum sizes 20 minutes

Single Swing: 4'0" wide x 9'0" high (1219mm wide x 2743mm high)

Standard Pairs: 8'0" wide x 9'0" high (2438mm wide x 2743mm high)

Standard Pairs (Single Leaf): 4'0" wide x 9'0" high (1219mm wide x 2743mm high)

Double Egress Pairs: Not Allowed

Door and Transom: Not Allowed

Dutch Door: Not Allowed

Minimum Thickness

All doors unless otherwise stated is 1-3/4" +/- 1/16"

Note: Pairs must have metal meeting edges.

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standards: UBC 7-2 (1997), UBC 7-2 (1994), CAN / ULC S104 1980 (R1985), ASTM E2074 (2004), UL 10(b) (2008), NFPA 252 (2008), UL 10(c) (2001), UL 10(b) Revision 1 (2009), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012)

Certificate number: WHI18 – 31427415

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 45-90 Minute Flush Doors (SPEC ID 30393)

Composite Core Type, Swinging Flush Design Fire Door for installation in single swing or standard pairs 45 to 90 Minute locations

For details related to maximum dimensions and allowable configurations, see Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): NFPA 252 (2008), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012)

Certificate number: WHI18 – 31427416

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 60 and 90 Minute Profiled Core Fire Door (SPEC ID 30392)

Maximum sizes 60 minutes

Single Swing: 3'0" wide x 8'0" high

Standard Pairs: 6'0" wide x 7'0" high

Maximum sizes 90 minutes

Single Swing: 3'0" wide x 7'0" high

Pairs: Not allowed.

Minimum Thickness:

1-3/4 in.

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

The certificate and schedule are held in force by regular annual surveillance visits by Intertek Testing Services NA, Inc. and the reader or user should contact Intertek to validate its status. This certificate remains the property of Intertek Testing Services NA, Inc. and must be returned to them on demand. This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.



Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): ASTM E152-81a, UL 10(c) (1998), UBC 7-2 (1997), UBC 7-2 (1994), UL 10(b) (1997), ASTM E2074 (2000), NFPA 252 (2003), CAN / ULC S104 1980 (R1985), UL 10(b) Revision 1 (2009), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012)

Certificate number: WHI18 – 31427417

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj

Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 60 Min Single-Swing MDF Door Frame (SPEC ID 30391)

Category C "Proprietary Frame" - Composite Door Frame for installation in 60 minute locations in steel/wood stud drywall or masonry openings. A Category B or Neutral Pressure fire rated wood/composite door may be used. Category G Edge Sealing System is not required. May be veneered or faced with HPL. Frame may also be used as a communicating frame.

Maximum sizes 60 minutes

Single Swing: 4'0" wide x 8'0" high
Throat Opening: 4-3/4 in.

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

The certificate and schedule are held in force by regular annual surveillance visits by Intertek Testing Services NA, Inc. and the reader or user should contact Intertek to validate its status. This certificate remains the property of Intertek Testing Services NA, Inc. and must be returned to them on demand. This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.



Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): ASTM E152-81a, UL 10(c) (1998), UBC 7-2 (1997), UBC 7-2 (1994), UL 10(b) (1997), ASTM E2074 (2000), NFPA 252 (2003), CAN / ULC S104 1980 (R1985), UL 10(b) Revision 1 (2009), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012)

Certificate number: WHI18 – 31427418

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 20 Minute Fire Door Frame (with Concealed Closer) (SPEC ID 30394)

Category C "Proprietary Frame" - Composite Door Frame for installation in 20 minute locations in steel/wood stud drywall or masonry openings. A Category B or Neutral Pressure fire rated wood/composite door may be used. Category G Edge Sealing System is not required. May be veneered or faced with HPL. Frame may also be used as a communicating frame. Concealed closer allowed. (LCN 2030 Series)

Maximum sizes 20 minutes

Single Swing: 4'0" wide x 8'0" high

Standard Pairs: 7'0" wide x 8'0" high

Throat Opening: 4-3/4 in.

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): UBC 7-2 (1994), ASTM E152-81AE02, NFPA 252 (2008), UL 10(b) Revision 1 (2009), CAN / ULC S104 (2010), NFPA 252 (2012)

Certificate number: WHI18 – 31427419

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj

Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs Doors NP (SPEC ID 30369)

Mineral Core Type, Swinging Flush Design Fire Door for installation in single swing 90 Minute

Maximum Size of Openings: 4'0" wide x 8'0" high

Composite Core Type, Swinging Flush Design Fire Door for installation in single swing 90 Minute

Maximum Size of Openings: 4'0" wide x 8'0" high

Mineral Core Type, Swinging Flush Design Fire Door for installation in pairs in 60 Minute.

Maximum Size of Openings: 8'0" wide x 8'0" high

Vertical Rod Fire Exit Hardware and Metal Edges required.

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): ASTM E152-81a, UL 10(c) (1998), UBC 7-2 (1997), UBC 7-2 (1994), UL 10(b) (1997), ASTM E2074 (2000), NFPA 252 (2003), CAN / ULC S104 1980 (R1985), UL 10(b) Revision 1 (2009), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012)

Certificate number: WHI18 – 31427420

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 20 Min Fire Door Frame (SPEC ID 30395)

Category C "Proprietary Frame" - Composite Door Frame for installation in 20 minute locations in steel/wood stud drywall or masonry openings. A Category B or Neutral Pressure fire rated wood/composite door may be used. Category G Edge Sealing System is not required. May be veneered or faced with HPL. Frame may also be used as a communicating frame.

Maximum sizes 20 minutes

Single Swing: 4'0" wide x 8'0" high

Standard Pairs: 7'0" wide x 8'0" high

Throat Opening: 4-3/4 in.

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): UL 10(c) (2009), UL 10(b) (2009), CAN / ULC S104 (2010), NFPA 252 (2012)

Certificate number: WHI18 – 31427421

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj

Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 60-90 minute Single Swing Sound Transmission Doorset (SPEC ID 35497)

Single-Swing Door maximum dimensions:

For 60 minutes: Maximum 48 in. wide by 96 in. high

For 90 minutes: Maximum 36 in. wide by 96 in. high

For 90 minutes: Maximum 42 in. wide by 84 in. high

All doors have a minimum thickness of 2-5/16 in. inclusive of the skins.

Notes:

1 - Pairs are not allowed

2 - These doors are eligible for use in any "Category C - Standard" frame

3 - For use with listed and labeled Warm Springs Mineral Composite 90 Minute frame system.

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): UBC 7-2 (1997), ASTM E2074 (2004), UL 10(b) (2008), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012), CAN / ULC S104 (2015)

Certificate number: WHI18 – 31427422

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 20-90 Min Fire Door Frame (SPEC ID 14775)

Composite Door frame for Installation in 20, 45, 60, or 90 Minute locations in steel/wood stud drywall or masonry openings

For details related to maximum dimensions and allowable configurations, see Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427446

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 60 Minute Fire Resisting Door and Frame Assembly (SPEC ID 44827)

For details related to maximum dimensions and allowable configurations, see
Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 16, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name


Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427447

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 90 Minute Fire Resisting Door and Frame Assembly (SPEC ID 44893)

For details related to maximum dimensions and allowable configurations, see
Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 16, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

19 Feb 2019
Date

www.intertek.com

Registered address:

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Certificate of Compliance



You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets

Standard(s): BS 476 Part 22 (1987)

Certificate number: WHI18 – 31427448

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Dar Metal Industries (Wood Division)

P.O. Box 250183

Street No. 59, Al Kharj Industrial City, Al Kharj
Riyadh, Kingdom of Saudi Arabia

Product: Warm Springs 120 Minute Fire Resisting Door and Frame Assembly (SPEC ID 44894)

For details related to maximum dimensions and allowable configurations, see
Appendix A (page 2 of 2 of this certificate)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 16, 2018

Date of expiry: December 31, 2019

Issue status: 2

Charles Meyers
Certification Manager
Name

Signature

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TECHNICAL DATA SHEET

Optima 44mm Interior Grade



Fire Rating FD30



Maximum Approved Door Sizes

(Please check standard supplied Sizes)

| | |
|---------------------|---------------------------------|
| Single Doors | 2135 x 1200 mm 2800 x 915 mm |
| Double Doors | 2135 x 1100 mm 2600 x 910 mm |

Approved Frames

Timber –Hardwood
Timber – Softwood
MDF
Steel
Aluminium



Acoustic Value Rw



| | | |
|---------------------|----------|-----------|
| Single Doors | Unglazed | 33dB / Rw |
| | Glazed | 35dB / Rw |
| Double Doors | Unglazed | 32dB / Rw |
| | Glazed | 35dB / Rw |

Approved Glazing Size (m²) 1.75m²

Durability

Service Life Testing

A Halspan Fire Door was subjected to **1,000,000** opening and closing cycles to simulate real life conditions in a busy hospital environment. The same door then went on to comfortably outperform a 30 minute fire resistance test. Our entire range, in fact, achieved the highest grading possible in the British Standard of Mechanical Tests for 'hinged or pivoted doors': **Severe Duty** - Subject to frequent or violent usage.

Tested in accordance with:

DD 171
EN 1191
EN 1192

Enhanced security performance requirements of door sets.
Tested to comply with PAS 24.

| | |
|--|---------------|
| Weight (kg/m²) | 27.3 |
| U-Value(W/m²K) - Heat loss per m² | 2.0 (Doorset) |
| Formaldehyde Release Rating | Low (E1) |



Optima 54mm Interior Grade

 BS 476 Part 22

Fire Rating FD60



Maximum Approved Door Sizes (Please check standard supplied sizes)

| | |
|--------------|----------------|
| Single Doors | 2441 x 1384 mm |
| | 3050 x 825 mm |
| Double Doors | 2300 x 1142 mm |
| | 2850 x 825 mm |

Approved Frames

Timber –Hardwood
MDF



Acoustic Value Rw



| | | |
|--------------|----------|------------|
| Single Doors | Unglazed | 34dB / Rw |
| | Glazed | 35dB / Rw |
| Double Doors | Unglazed | 33dB / Rw |
| | Glazed | 35 dB / Rw |

Approved Glazing Size (m²) 0.82 m²

Durability

Service Life Testing

A Halspan Fire Door was subjected to **1,000,000** opening and closing cycles to simulate real life conditions in a busy hospital environment. Our entire range, in fact, achieved the highest grading possible in the British Standard of Mechanical Tests for 'hinged or pivoted doors': **Severe Duty** - Subject to frequent or violent usage.

Tested in accordance with:

DD 171
EN 1191
EN 1192

Enhanced security performance requirements of door sets.

Tested to comply with **PAS 24**.

| | |
|--|---------------|
| Weight (kg/m ²) | 33.5 |
| U-Value(W/m ² K) - Heat loss per m ² | 1.8 (Doorset) |
| Formaldehyde Release Rating | Low (E1) |



Prima 44mm Interior Grade

 BS 476 Part 22

Fire Rating FD30



Maximum Approved Door Sizes (Please check standard supplied sizes)

| | |
|--------------|----------------|
| Single Doors | 2900 x 1203 mm |
| | 3317 x 1050 mm |
| Double Doors | 2900 x 1153 mm |
| | 3167 x 1050 mm |

Approved Frames

Timber –Hardwood
Timber – Softwood
MDF
Steel
Aluminium



Acoustic Value Rw



| | | |
|--------------|----------|-----------|
| Single Doors | Unglazed | 33dB / Rw |
| | Glazed | 35dB / Rw |
| Double Doors | Unglazed | 32dB / Rw |
| | Glazed | 35dB / Rw |

Approved Glazing Size (m²) 1.75m²

Durability

Service Life Testing

A Halspan Fire Door was subjected to **1,000,000** opening and closing cycles to simulate real life conditions in a busy hospital environment. The same door then went on to comfortably outperform a 30 minute fire resistance test. Our entire range, in fact, achieved the highest grading possible in the British Standard of Mechanical Tests for 'hinged or pivoted doors': **Severe Duty** - Subject to frequent or violent usage.

Tested in accordance with:

DD 171
EN 1191
EN 1192

Enhanced security performance requirements of door sets.
Tested to comply with PAS 24.

| | |
|--|---------------|
| Weight (kg/m ²) | 27.7 |
| U-Value(W/m ² K) - Heat loss per m ² | 2.0 (Doorset) |
| Formaldehyde Release Rating | Low (E1) |



The mark of
responsible forestry

Prima 54mm Interior Grade

 BS 476 Part 22

Fire Rating FD60



Maximum Approved Door Sizes (Please check standard supplied sizes)

| | |
|---------------------|---------------------------------|
| Single Doors | 2441 x 1384 mm 3050 x 825 mm |
| Double Doors | 2300 x 1142 mm 2850 x 825 mm |

Approved Frames

Timber –Hardwood
MDF
Steel



Acoustic Value Rw



| | | |
|---------------------|----------|-----------|
| Single Doors | Unglazed | 34dB / Rw |
| | Glazed | 35dB / Rw |
| Double Doors | Unglazed | 33dB / Rw |
| | Glazed | 35dB / Rw |

Approved Glazing Size (m²) 0.82m²

Durability

Service Life Testing

A Halspan Fire Door was subjected to **1,000,000** opening and closing cycles to simulate real life conditions in a busy hospital environment. Our entire range, in fact, achieved the highest grading possible in the British Standard of Mechanical Tests for 'hinged or pivoted doors': **Severe Duty** - Subject to frequent or violent usage.

Tested in accordance with:

DD 171
EN 1191
EN 1192

Enhanced security performance requirements of door sets.
Tested to comply with PAS 24.

| | |
|--|---------------|
| Weight (kg/m²) | 34 |
| U-Value(W/m²K) - Heat loss per m² | 1.8 (Doorset) |
| Formaldehyde Release Rating | Low (E1) |



Halspan 90 64mm
Interior Grade

 BS 476 Part 22

Fire Rating FD90



Maximum Approved Door Sizes

(Please check standard supplied sizes))

| | |
|---------------------|---------------|
| Single Doors | 2400 x 1072mm |
| | 2450 x 1047mm |
| Double Doors | 2150 x 940mm |
| | 2200 x 915mm |

Approved Frames

Timber –Hardwood
Steel



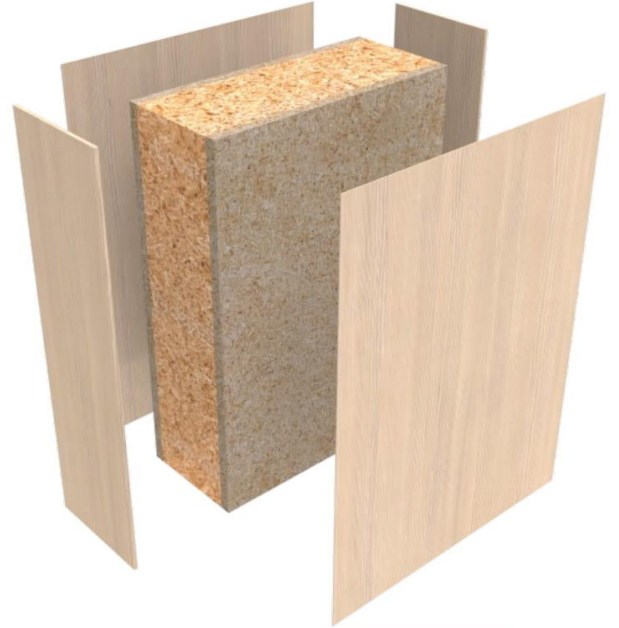
Acoustic Value Rw



| | | |
|---------------------|----------|-----------|
| Single Doors | Unglazed | 34dB / Rw |
| | Glazed | 35dB / Rw |
| Double Doors | Unglazed | 33dB / Rw |
| | Glazed | 35dB / Rw |

Approved Glazing Size (m²) 0.56m²

Weight (kg/m²) 40.3
Formaldehyde Release Rating Low (E1)



Report prepared for: Spec Direct (Free User) on 11/27/2017 6:35:31 AM

SpecDIRECT POWERED BY intertek



LISTING INFORMATION OF
KORAL - 90-minute Fire Rated Mineral Door

SPEC ID: 40427

Ramkor International Ltd.
P.O Box 3152
OMC Chambers, Road Town
Tortola,
British Virgin Islands

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Report prepared for: Spec Direct (Free User) on 11/27/2017 6:35:31 AM

SpecDIRECT POWERED BY Intertek

Product Covered

KORAL - 90 minute fire rated mineral core door - Category A

To be installed in listed Category C door frame

Product Description

Door core - Low density Mineral Composite, 38mm (1-1/2 in.) thick
Stiles & Rails - High Density Mineral Composite
Skin - MDF or Plywood (3mm)
Door Thickness - 45mm

Maximum size of single leaf door: 1219mm x 2438mm (4 ft x 8 ft) (for up to 90-minute fire rating)
Maximum size of double leaf door: 2438mm x 2438mm (8 ft x 8 ft) (for up to 60-minute fire rating)

Minimum latch throw - 19mm (3/4 in.)

Ratings

90-minute maximum, positive pressure fire testing test methods:

UL 10C (2016)
NFPA 252 (2012)

Note: Double leaf door assembly has a 60-minute rating.

| Attribute | Value |
|--------------------------|---|
| Criteria | NFPA 252 (2012) |
| Criteria | UL 10(c) 2016 |
| Criteria | UL 10(b) (R2015) |
| CSI Code | 08 14 00 Wood Doors |
| Intertek Services | Certification |
| Listed or Inspected | LISTED |
| Listing Section | CATEGORY A - DOORS - NO ADDITIONAL EDGE-SEALING SYSTEM REQUIRED |
| Report Number | 3073520 |
| Spec ID | 40427 |
| Test Original Issue Date | 25th May 2005 |

Report prepared for: Spec Direct (Free User) on 11/27/2017 6:35:31 AM

SpecDIRECT POWERED BY Intertek


DRAWING INDEX

Certificate of Compliance - KORAL - 90-Minute Fire Rated Mineral Door

Report prepared for: Spec Direct (Free User) on 11/27/2017 6:35:31 AM

SpecDIRECT POWERED BY Intertek

Certificate of Compliance - KORAL - 90-Minute Fire Rated Mineral Door



Certificate of Compliance

You have been awarded:

Intertek Warnock Hersey Mark for fire resistant doors and door sets
NFPA 252 (2012): UL 10C (2016): UL 10(b) (R2015)

Certificate number: WHI17 – 29110501

Organization:
Ramkor International Ltd.
P.O Box 3152
OMC Chambers, Road Town
Tortola, British Virgin Islands


Product: KORAL - 90-minute Fire Rated Mineral Door
KORAL - 90 minute fire rated mineral core door - Category A
To be installed in listed Category C door frame

Ratings: 90 minutes fire rating as per UL 10C / NFPA 252 / UL 10B
Maximum size of single leaf door: 1219mm x 2438mm (4 ft x 8 ft)

Ratings: 60 minutes fire rating as per UL 10C / NFPA 252 / UL 10B
Maximum size of single leaf door: 1219mm x 2438mm (4 ft x 8 ft)
Maximum size of double leaf door: 2438mm x 2438mm (8 ft x 8 ft)

Door Thickness - 45mm
For full details of the certified product please listing report ID 40427.

Certification body: Intertek Testing Services NA, Inc.
Initial registration: May 24th, 2017
Date of expiry: December 31st, 2017
Issue status: 1

Dustin Behling
Certification Coordination Manager
Name  Signature 24 May 2017 Date

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd., Arlington Heights, IL 60005 USA

www.intertek.com

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RAMKOR FD90™

DATA
SHEET

FD90 door core

- Cost competitive
- Designed to “over-perform”
- Lightweight
- Tested & Certified by Thomas Bell-Wright International Consultants to BS 476: part 22 (1987)
- Tested opening towards the furnace (the most onerous direction)
- Compatible with RAMGLAZE 90™
- Freedom to specify your own hardware*
- A wide range of intumescent options
- Made in Europe to European Standards
- Can be shipped direct from our factory
- Available ex-stock in various strategic locations in the Middle East
- Big standard size: 2210 x 990 x 64mm

*hardware used must be equal to hardware tested & approved



Ramkor FD90™ - an FR chipboard door blank made exclusively using poplar hardwood chips, low in weight, with a gross scaled surface - the best choice for veneering!



Ramkor FD90™ repeatedly over performs when tested to BS 476 (average result is in excess of 100 minutes fire resistance)

Ramkor FD90™ is manufactured according to strict European Standards using poplar hardwood chips (of different granulometry) glued together and treated with special FR chemicals. The production process is checked at all stages.

Thanks to exclusive technical know-how, our **RAMKOR FD90™** chipboard door core attains exceptional fire resistance.

Ramkor FD90™ is classified according to the UNI EN 312 type panels P2 - Requirements for boards for interior fittings for use in dry conditions.

Ramkor FD90™ is a high quality door core which may also be CARB phase 2, E1, CE 2+ and FSC certified. **Ramkor FD90™** is produced with modern techniques, it is truly sustainable and environmental friendly, with excellent fire resistance, superior technical performance when compared with other FD90 door cores on the market - and it's much lighter!

RAMKOR INTERNATIONAL LTD
sales@ramkor.com
www.ramkor.com
UAE Office +971 6 5575278

All information given is for guidance purposes only
Datasheet information accurate as of 4 May 2017



The mark of
responsible forestry
FSC® C121463



RAMKOR FR™

DATA
SHEET

Fire Retardant Poplar Particleboard

- Cost competitive
- Lightweight
- Made in Europe to European Standards
- Can be shipped direct from our Mill in Europe
- Thicknesses: 8-64mm
- Standard size: 2230 x 1010mm
- Special sizes up to 3720 x 2020mm
- Gluing: **CLASS 1** (classified according to the UNI EN 312 type panels P2 - Requirements for boards for interior fittings (including furniture) for use in dry conditions)
- Density:

| | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|
| Thickness (mm) | 40 | 30 | 28 | 25 | 18 | 14 |
| Density (kg/m ³) ±5% | 550 | 580 | 590 | 600 | 620 | 630 |



Ramkor FR™ - an FR particleboard made exclusively using poplar hardwood chips, low in weight, with a gross sanded surface - the best choice for veneering!



Ramkor FR™ is regularly tested to British & European standards by UKAS accredited laboratories

Ramkor FR™ is manufactured according to strict European Standards using poplar hardwood chips (of different granulometry) glued together and treated with special FR chemicals. The production process is checked at all stages.

Ramkor FR™ is classified according to the UNI EN 312 type panels P2 - Requirements for boards for interior fittings for use in dry conditions.

Ramkor FR™ is a high quality particleboard which may also be CARB phase 2, E1, CE 2+ and FSC certified.

Ramkor FR™ is produced with modern techniques, it is truly sustainable and environmental friendly, with excellent fire resistance, superior technical performance when compared with other FR particleboards on the market - and it's much lighter!

RAMKOR INTERNATIONAL LTD
sales@ramkor.com
www.ramkor.com
UAE Office +971 6 5575278



The mark of
responsible forestry
FSC® C121453



MADE IN EUROPE

All information given is for guidance purposes only
Datasheet information accurate as of 10 April 2017

Revision I
v8 May 2010

Strebord® 44

FD30

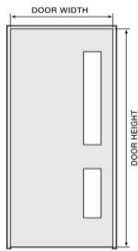
Strebord®
An environmentally responsible particleboard alternative to solid hardwood/softwood door cores.

Door Cores with Timber Frames

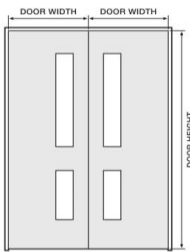
Strebord 44 is suitable for use as a general purpose door core and has been extensively tested (BS476 Pt.22) for FD30 fire door applications.

Acoustic Door Applications: With additional sealing Strebord 44 can provide for sound attenuating performances between Rw.29dB and Rw.35dB.

Single Leaf Doorsets



Double Leaf Doorsets



Single Leaf Doorsets - FD30 Fire Door Applications*

| Configuration | Maximum leaf height | Maximum leaf width | Notes |
|--|---------------------|--------------------|---|
| Unlatched single action single leaf doorset | 3173mm | 1178mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF |
| Double action single leaf doorset | 3173mm | 1178mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF |
| Latched single action single leaf doorset | 3223mm | 1203mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF |
| Unlatched single action single leaf doorset with flush overpanel | 2520mm | 1090mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF Max. height of overpanel = 2000mm |
| Double action single leaf doorset with flush overpanel | 2520mm | 1090mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF Max. height of overpanel = 2000mm |
| Latched single action single leaf doorset with flush overpanel | 2570mm | 1115mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF Max. height of overpanel = 2000mm |

Double Leaf Doorsets - FD30 Fire Door Applications*

| Configuration | Maximum leaf height | Maximum leaf width | Notes |
|--|---------------------|--------------------|---|
| Unlatched single action double leaf doorset | 3009mm | 1075mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF |
| Double action double leaf doorset | 3009mm | 1075mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF |
| Latched single action double leaf doorset | 3059mm | 1128mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF |
| Unlatched single action double leaf doorset with flush overpanel | 2320mm | 990mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF Max. height of overpanel = 1500mm |
| Double action double leaf doorset with flush overpanel | 2320mm | 990mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF Max. height of overpanel = 1500mm |
| Latched single action double leaf doorset with flush overpanel | 2370mm | 1015mm | Hardwood or softwood frame of Min. 450Kg/M ³ density or 700Kg/M ³ MDF Max. height of overpanel = 1500mm |

* NOTE Approved application dimensions vary according to the size/type and configuration of intumescent seals. See **Strebord Technical Manual v8** for further information.



Strebord® carries either FSC® or PEFC certification, subject to availability.

Glazing limitations FD30 Doorsets

| Max. glazing area per leaf | Min. dim. from any edge to nearest sight line of aperture | Min. dim. between sight line of adjacent apertures |
|----------------------------|---|--|
| 2.66M ² | 100mm | 80mm |

Call us



| | |
|----------------------------|-----------------|
| Head Office | T 01932 256 580 |
| Tilbury Depot | T 01375 487 300 |
| Nottingham Depot | T 0115 919 2000 |
| West Bromwich Depot | T 0121 525 8844 |
| Haydock Depot | T 01744 416 600 |
| Leeds Depot | T 0113 887 2222 |



Revision D
v8 May 2010

Strebord® 54

FD60

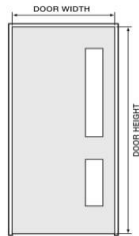
Strebord 54
is also available for
FD90 applications

Door Cores with Timber Frames

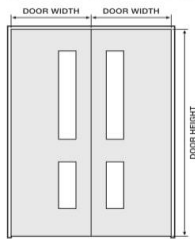
Strebord 54 has been extensively tested (BS476 Pt.22) for FD60 fire door applications and may be used as a general door core where heavier duty performances are required.

Acoustic Door Applications: With additional sealing Strebord 54 can provide for sound attenuating performances between Rw.29dB & Rw.35dB.

Single Leaf Doorsets



Double Leaf Doorsets



Certificate Number 006/020



Approved
Component
Supplier



Membership
No. 064056



Strebord® carries either FSC® or PEFC
certification, subject to availability.



Single Leaf Doorsets - FD60 Fire Door Applications*

| Configuration | Maximum leaf height | Maximum leaf width | Notes |
|--|---------------------|--------------------|--|
| Unlatched single action single leaf doorset | 2455 mm | 1080 mm | Hardwood frame of Min. 640Kg/M ³ density |
| Double action single leaf doorset | 2455 mm | 1080 mm | Hardwood frame of Min. 640Kg/M ³ density |
| Latched single action single leaf doorset | 2505 mm | 1105 mm | Hardwood frame of Min. 640Kg/M ³ density |
| Unlatched single action single leaf doorset with flush overpanel | 2355 mm | 1030 mm | Hardwood frame of Min. 640Kg/M ³ density Max. height of overpanel = 2000mm |
| Double action single leaf doorset with flush overpanel | 2355 mm | 1030 mm | Hardwood frame of Min. 640Kg/M ³ density Max. height of overpanel = 2000mm |
| Latched single action single leaf doorset with flush overpanel | 2405 mm | 1055 mm | Hardwood frame of Min. 640Kg/M ³ density Max. height of overpanel = 2000mm |

Double Leaf Doorsets - FD60 Fire Door Applications*

| Configuration | Maximum leaf height | Maximum leaf width | Notes |
|--|---------------------|--------------------|--|
| Unlatched single action double leaf doorset | 2330 mm | 1017 mm | Hardwood frame of Min. 640Kg/M ³ density |
| Double action double leaf doorset | 2330 mm | 1017 mm | Hardwood frame of Min. 640Kg/M ³ density |
| Latched single action double leaf doorset | 2380 mm | 1042 mm | Hardwood frame of Min. 640Kg/M ³ density |
| Unlatched single action double leaf doorset with flush overpanel | 2155 mm | 930 mm | Hardwood frame of Min. 640Kg/M ³ density Max. height of overpanel = 1500mm |
| Double action double leaf doorset with flush overpanel | 2155 mm | 930 mm | Hardwood frame of Min. 640Kg/M ³ density Max. height of overpanel = 1500mm |
| Latched single action double leaf doorset with flush overpanel | 2205 mm | 930 mm | Hardwood frame of Min. 640Kg/M ³ density Max. height of overpanel = 1500mm |

* NOTE Approved application dimensions vary according to the size/type and configuration of intumescent seals. See **Strebord Technical Manual v8** for further information.

Glazing limitations FD60 Doorsets

| Max. glazing area per leaf | Min. dim. from any edge to nearest sight line of aperture | Min. dim. between sight line of adjacent apertures |
|----------------------------|---|--|
| 0.72 M ² | 100 mm | 80 mm |

Whilst every care has been taken to ensure that the information in this leaflet is correct and up to date, it is not intended to form any part of a contract or give rise to collateral liability, which is hereby specifically excluded. Falcon Panel Products Ltd reserve the right to amend the range of products and services without notice. It is intended only as a guide and designers and specifiers should themselves be satisfied of Strebord's suitability for their design or structure. © Falcon Panel Products Ltd. 2010.

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Leeds Depot T 0113 887 2222 E leeds@falconpp.co.uk



FIRE DOOR CORE
TECHNICAL DATA SHEET

COLOR

Pink

DENSITY

18 lbs./cu. ft. (+/- 2 lbs./cu. ft.)
288 kg/m³ (+/- 32 kg/m³)

MATERIAL

Man-made Vitreous Fiber

MOISTURE CONTENT

< 6%

HARDNESS

70-80 Durometers (ASTM D-2240 Type O)

MAXIMUM SERVICE TEMPERATURE

1,900 F (1,040 C)

THERMAL CONDUCTIVITY

| <u>Btu-in./hr-ft²-°F</u> | | <u>W/m-C</u> | |
|-------------------------------------|------|--------------|-------|
| 400 F | 0.62 | 204 C | 0.089 |
| 800 F | 0.90 | 430 C | 0.129 |
| 1,000 F | 1.1 | 540 C | 0.158 |
| 1,300 F | 1.31 | 690 C | 0.188 |
| 1,500 F | 1.38 | 801 C | 0.198 |

LINEAR SHRINKAGE

24 hours @ 1,900 F < 1.5%

COMPRESSIVE STRENGTH @ 10% Compression

No Reheat 96.64 psi (13,916 psf)

24 hours @ 1,900 F 6.52 psi (939 psf)

MODULUS OF RUPTURE

Ambient 109.1 psi

After 12 hour soak @ 1,900 F 29 psi

MATERIAL SAFETY DATA SHEET

Warm Springs Composite Products
3270 Highway 26 Building # 8
P O Box 906
Warm Springs, Oregon 97761
USA
Telephone: 001 1 541 553 1143
Fax: 001 1 541 553 1145

Division: Fire Door Components

Date: 3-27-12

Issued By: Product Development Office

N/A = Not applicable or Not Available

N/K = None Known or Not Known

HMIS (0 = minimal hazard, 4 = severe hazard)

Health = 1
Flammability = 0
Reactivity = 0

Department of Transportation Information

Shipping name : Not Classified

Hazard Class : N/A

ID No : N/A

Emergency Only Contact: CHEM-TEL 001 1 800-255-3924

I. Product Information

- A. Product Name : Warm Springs Fire Door Core
B. Chemical Name and Synonyms: N/A
C. Chemical or Product Family : Man-made Vitreous Fibers and Minerals

II. Ingredient Information

| A. Hazardous Components (Chemical Identity; Common Name) | C.A.S No. | % | OSHA PEL Respirable: | ACGIH TLV Respirable: |
|---|------------|----------|-------------------------|--------------------------|
| Fibrous Glass | 65997-17-3 | 50 to 90 | 1 f/cc | 1 f/cc |
| Chemically Bound Inert Minerals | | 0 to 50 | | |

NOTE: This product formulation does not contain Asbestos, Volatile Organic Chemicals (VOC's) or Formaldehyde.

III. Physical Data

- A. Appearance and Color: White, pressed man-made vitreous fiber panel
B. Boiling Point (degrees F): N/A
C. Vapor pressure (mm Hg @ 20 degrees C) : N/A
D. Vapor density (Air = 1) : N/A
E. Solubility in Water : N/A
F. Specific Gravity (H₂O = 1) : N/A
G. Percent Volatile by weight (30 min. @ 275 degrees F) : N/A
H. Evaporation Rate (Butyl Acetate = 1) : N/A
I. pH : N/A

IV. Fire and Explosion Data

- A. Flash point : N/A
B. Flammable Range: LEL = N/A ; UEL = N/A
C. Extinguishing Media : Non Flammable
D. Special Fire Fighting Procedures: None
E. Unusual Fire and Explosion Hazards: None

Continued : Man-made Vitreous Fiber Fire Door Core

Date: 6-10-10

V. Health Data

A. Primary Route (s) of Entry: Inhalation, skin, and eye contact

B. Target Organs: Lungs, skin and eyes

Effects of Overexposure :

Acute Health Effects: Products are a transient mechanical irritant to the skin, eyes and upper respiratory system.

Refer to special protection information for handling instructions.

Chronic Health Effects: *Fiber Glass Wool*: Fibrous glass has been classified as "not classifiable as to its carcinogenicity to human" (Group 3) by the International Agency for Research on Cancer (IARC). Fibrous glass is listed by NTP as 2, reasonably anticipated to be a carcinogen.

C. Carcinogenicity: NTP : Yes IARC Monographs : No OSHA Regulated : No

D. Medical Conditions Generally aggravated by Exposure: Any condition generally aggravated by respiratory and mechanical irritants in the air or on the skin. Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema, and asthma.

E. First Aid Procedures:

Skin: Wash with mild soap and running water

Eyes: Flush with flowing water for at least 15 minutes and if symptoms persist, seek immediate medical attention.

VI. Reactivity Data

A. Stability : Material is stable

B. Incompatibility: N/K

C. Hazardous Decomposition Products: Carbon dioxide, and other trace pyrolysis products typical of decomposition of any organic chemical.

D. Hazardous Polymerization: N/A

VII. Spill or Leak Procedures

A. Steps to be taken if material is released or spilled : N/A

B. Recycling Information : Dispose in accordance with federal, state and local waste disposal regulations

VIII. Special Protection Information

During handling or machining, be certain that the work site is well ventilated, and avoid breathing dust. Wear long-sleeve, loose fitting clothes, gloves and eye protection.

Handle these materials carefully to minimize airborne dust.

If high dust levels are anticipated during use, such as with the use of power tools, use the appropriate NIOSH approved dust respirator.

All power cutting tools must be equipped with dust collectors.

After using this material, wash with warm water and mild soap. Do not scratch or rub skin if it becomes irritated.

Wash work clothes separately, and then rinse the washer.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

WARM SPRINGS

COMPOSITE PRODUCTS

PO Box 906, Warm Springs, Oregon 97761

(541) 553-1143

Profile Ready Door Core

Product Features and Specifications

Interior Use Only

Description

Warm Springs 60 and 90 minute profiled fire rated door core is a mineral composite certified for use in profiled molded skin doors. Doors produced are rated up to 90 minutes in positive pressure applications and may be either Category A or B, depending on the stile and rail construction.

Door Thickness

1-3/4"

Size Table

| | ITS | | |
|--------|-----------|-----------|-------------|
| | 45 Min | 60 Min | 90 Min |
| Single | 3/0 x 8/0 | 3/0 x 8/0 | 3/0 x 7/0 |
| Pair | 6/0 x 7/0 | 6/0 x 7/0 | Not Allowed |

Allowable Skins

Molded fiberboard, allowable thickness - 1/8" ± .015".
Minimum density - 50 pcf.
Maximum 6 panels up to 435 lineal inches of profile.

Core

WSCP-412, minimum 1 7/16" thick

Rails

Tectonite (minimum 2") with veneer edge band for Category B.
Tectonite (minimum 2"), intumescent, and veneer edge band for Cat. A.

Stiles

Anti-Fire Composite with wood edge band. (45-60 only)
1" Tectonite with wood edge band.
Intumescent can be added for Category A.
3" Tectonite stile required for meeting edge of pairs.

Construction

Bonded layup and loose layup allowed

Adhesives

Multiple adhesives are approved, check with Warm Springs for details.

Intumescent

Palusol 100, Zero 2002 or 2003, Fitherm PS-100

Hardware

Cylindrical latch set, mortised automatic flush bolts.
Mortised or surface mounted rim type fire exit hardware.
Surface mounted closures.
4 point latching required for 60 minute paired openings.

Special Conditions

90 minute construction must be banded, profiled and proprietary coating within profile applied by certified Warm Springs employees.

WARM SPRINGS

COMPOSITE PRODUCTS

PO Box 906, Warm Springs, Oregon 97761

(541) 553-1143

Tectonite

Product Features and Specifications

Description

Tectonite is a grey in color mineral based panel that is used in the fire door industry for stiles, rails, blocking and other applications. It is rated up to 90 Minutes to the US Standards, and 120 Minutes to the British Standard.

| | | | |
|---|---|--|---------------|
| Specifications | Panel Sizes | 4' X 8' & 4' X 10' | |
| | Moisture Content | < 6% | |
| | Thickness - Max/Min | 2.125"/.5" Finished | |
| | Density | 61-72 Lbs./Cubic Foot | |
| | Screw Withdrawal - Face | Exceeds WDMA I.S.-IA | |
| | Modulus of Rupture (MOR) | 900+ psi | |
| | Shrinkage - Average | 4.4% (ASTM E C356) | |
| | Compressive Strength | 1586+ psi | |
| Thermal Conductivity & Heat Transfer | | Btu-in./hr-ft² °F | W/m-°C |
| | | 946 °F 1.33 | 204°C 0.089 |
| | | 1632 °F 1.36 | 430°C 1.129 |
| | (ASTM E 152) (°F) Unexposed Surface Rise Above Ambient 1.5" Panel | 193°F | |
| Characteristics | Composition | Reinforced mineral composite | |
| | Storage Temperature Range | 0-45°C | |
| | Storage Humidity Range | 20-80% - Keep Dry | |
| | Fire Approvals | UL 10(c) (2009)/CAN/ULC S104-10 | |
| Benefits | Surface Adhesion | Does not require pre-treatment for bonding. | |
| | Heat Transfer | Less heat transfer than comparable products | |
| | Density | Less weight compared to competing products. | |
| | Stability | Easily surfaced and very stable in a finished door | |
| | Tool Wear | Easier to machine and less tool wear than comparable products. | |
| Adhesives | Multiple adhesives are approved, check with Warm Springs for details. | | |
| Storage and Handling | Store horizontally on even surfaces supporting the entire panel. Use reasonable care in handling and transporting panel. | | |
| Availability | Only available from Warm Springs Composites. | | |



BM TRADA

CERTIFICATE OF REGISTRATION

This is to certify that

Warm Springs Composite Products

PO Box 906
Warm Springs
OR 97761
USA

Meets the requirements of the BM TRADA **Q-Mark Fire Door Manufacture** scheme to **BS 476 Part 22**

Certificate number:

317

Date of initial BM TRADA Certification:

22 September 2008

Date of last issue:

3 October 2014

Certificate expiry date:

21 September 2017

Kevin Towler
Director

This certification is awarded to the company named above and is not transferrable

BM TRADA Certification Ltd, Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK

This certificate remains the property of BM TRADA Certification Ltd. This certificate and all copies or reproductions of the certificate shall be returned to BM TRADA Certification Ltd or destroyed if requested. Further clarification regarding the scope of this certificate and verification of the certificate is available through BM TRADA at the above address or at www.bmtrada.com

The use of the UKAS accreditation mark indicates accreditation in respect of those activities covered by the accreditation certification 012

Registration Schedule

| Branch | Address |
|---------------------------------|---|
| Warm Springs Composite Products | P.O Box 906 Warm Springs Oregon 97761 |

Scope

| Assessment/ Test Report | Owner of Assessment/ Report | Doorset Description | Rating | Test Type |
|-------------------------|---------------------------------|--|---------|---------------|
| Chilt/A06218 | Warm Springs Composite Products | Tectonite 60 min Fire Door Blank Design A & B | 60 min | BS476 Part 22 |
| Chilt/A06218 | Warm Springs Composite Products | Tectonite 90 min Fire Door Blank Design A & B | 90 min | BS476 Part 22 |
| Chilt/A06218 | Warm Springs Composite Products | Tectonite 120 min Fire Door Blank Design A & B | 120 min | BS476 Part 22 |



BMTRADA

CERTIFICATE OF REGISTRATION

This is to certify that

Warm Springs Composite Products

PO Box 906
Warm Springs
OR 97761
USA

Meets the requirements of the BM TRADA **Q-Mark Door Blank** scheme

Certificate number:

003

Date of initial BM TRADA Certification:

24 April 2014

Date of last issue:

3 October 2014

Certificate expiry date:

21 September 2017

Kevin Towler
Director

This certification is awarded to the company named above and is not transferrable.

BM TRADA Certification Ltd, Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK

This certificate remains the property of BM TRADA Certification Ltd. This certificate and all copies or reproductions of the certificate shall be returned to BM TRADA Certification Ltd or destroyed if requested. Further clarification regarding the scope of this certificate and verification of the certificate is available through BM TRADA at the above address or at www.bmtrada.com

Registration Schedule

| Branch | Address |
|---------------------------------|---|
| Warm Springs Composite Products | PO Box 906 Warm Springs OR 97761 USA |

Scope

Tectonite Range – Composite Door Blank



Warm Springs Composite Products Certified Door Components

Information and Users Guide

Warm Springs Composite Products has been manufacturing and providing customers with quality certified fire rated door components for the last 20 years. We have tested and supply products for both domestic and international markets, with an emphasis on larger openings and higher ratings. Our door components are listed with BM Trada (Chiltern International Fire Ltd.) and carry the “Q Mark” certification.

All products have been test per B.S. 476 pt. 22 (1987)
Global Assessment Report # Chilt/A06218 (18 Aug. 2011)

Manufacturer: Warm Springs Composite Products
3270 Highway 26, Building #8
Warm Springs, Oregon 97761
United States of America

| <u>Component Type</u> | <u>Rating</u> | <u>Product</u> | <u>Wt. per kg/m3</u> |
|-----------------------|----------------|----------------|----------------------|
| Tectonite Stiles | 60-90-120 min. | Tectonite | 990 minimum |
| Tectonite Rails | 60-90-120 min. | Tectonite | 990 minimum |
| Mineral Core | 60-90-120 min. | Mineral Core | 288 +/- 30 |

Note: Technical Data Sheet and MSDS for each product is included at the end of this document, and available upon request from Warm Springs Composite Products offices.

WARM SPRINGS COMPOSITE PRODUCTS

Manufacturing:

All Warm Springs Composite Products door components are manufactured from a selection of inorganic and organic products. These products are blended in large slurry mixers, evacuated into forms, pressed to specific dimension and dried to desire tolerances.

Products are then surfaced and cut to desired dimensions, before being packaged for shipment to customer destinations.

Packaging:

Door components are stacked on solid wood pallets to enable maximum height and weight per unit with reference to the size of the container used for transport. All units are shrink wrapped and banded (metal strapping) to secure product to the pallets. Most units will also have a cardboard top covering.

Storage:

Warm Springs Composite Products door components have been designed and tested for interior door applications and should be stored under cover of roof at all times. Components should be stored in areas that will not be exposed to rain or other water sources. Exposure to moisture other than normal humidity can be very detrimental to the integrity and usability of the product. Ideal storage would be in a building or warehouse that would protect the products from external weather elements.

Handling:

Components on pallets may be easily moved with a mechanical fork lift or hydraulic dolly.

Although the Tectonite stile and rail product is much more dense and stronger than the mineral core, it must be handled with care. This product will break if dropped to a hard surface (concrete floor) or if struck against a hard immovable object.

WARM SPRINGS COMPOSITE PRODUCTS

WSCP's 412 mineral core is very porous and light weight, but has sufficient strength to be handled by one person. One mineral core at 54mm thickness will weigh about 63 lbs. or 140 kilograms.

Both component products will have surface dust and a small degree of abrasiveness. Wearing gloves when handling is recommended to reduce skin irritation on the hands.

Sawing or Cutting

1. **Tectonite:** WSCP's gray colored stile and rail product has a density of about 1,000 kg/m³. This density must be maintained to adequately secure ironmongery to the door. With this increased density and the nature of the inorganic binders in the product, it is recommended that this product be sawn or cut with industrial grade diamond tooling. WSCP uses 14" (60 tooth) industrial diamond tip blades. Very hard or industrial grade carbide will cut the components, but wear on the tooling is very significant.

Also, when tooling Tectonite the operator must have a sufficient dust control system, as this product will produce a significant amount of dust!

2. **WSCP Mineral Core:** The light weight mineral core has a very low density (288 kg/m³) and is easily sawn or machined with normal carbide tooling. It will produce much less dust when machined than the Tectonite, but an adequate dust collection system should still be used when processing this component.

Surfacing or Sanding Components:

Tectonite Stile & Rail and the Mineral Core components may be easily sanded to achieve desired tolerances during the manufacturing flow. An aggressive (2 head) belt sander, using 24 to 40 grit paper can easily reduce the thickness by as much as .050" or 1.5mm per pass on either material.

Care should be taken in surfacing banded mineral core in order to maintain desired tolerances. The differences in density from the Tectonite stiles and

WARM SPRINGS COMPOSITE PRODUCTS

rails, to the softer mineral core, dictates that less material should be taken off per pass when surfacing. This eliminates tolerance differences between the two products after surfacing. Adequate dust collection when surfacing these components is needed.

Bonding Components:

Warm Springs Composite Products fire rated door components have been successfully tested numerous times using “Cross-Linked PVAs”. A list of certified bonding agents is available upon request.

To achieve maximum bonding strength the surfaces of each component to be bonded should be clean and dust free. This can be accomplished by using pneumatic pressure to remove dust and or foreign agents from the bonding area.

All components when constructing a banded mineral core or loose-layup are flush (90 degree) joint. There are no tongue and grooves or machined joints in any application. This includes the following:

1. Wood Lipping to Tectonite Stiles
2. Tectonite Stiles to Tectonite Rails
3. Tectonite Stiles to Mineral Core
4. Tectonite Rails to Mineral Core
5. Mineral Core to Mineral Core

Care should be given in using adequate, but not excessive pressure when bonding components using and RF-Press. When components are used in a “Loose-Lay-up” construction, attention should be given to ensure components are fitted together tightly before door faces and bonding agents are applied.

Please follow adhesive manufacturer’s instructions with reference to product amounts, press times and required pressure for both hot press and cold press applications.

WARM SPRINGS COMPOSITE PRODUCTS

Bonding Faces to Banded Cores:

Again, to achieve maximum bonding strength the surface of those components adjacent to the face material should be cleaned by pneumatic pressure. The mineral core is a very porous material, and although it bonds exceptionally well to the face stock, it must also be free of dust and or other foreign materials. Prepping the surface of the components with a sizing agent to enhance bonding is allowed. Please follow adhesive manufacturer's recommendations on sizing agents.

Adhering face stock material to the mineral components can again be achieved with a cross-linked PVA adhesive. All wood faces (MDF, HDF, plywood or veneers) may be hot or cold pressed to the mineral components. Plastic Laminates should be adhered to MDF or HDF backers using those bonding agents referenced by the Plastic Laminate manufacturer.

Note: Please use adhesive manufacturer's recommendations and instructions when bonding components.

Conclusion:

Warm Springs Composite Products will always provide quality customer service to all of our component product users. If additional information is required or questions need to be answered, please contact us for immediate attention.

Jacob Coochise
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Alan L. Earnest
Technical Advisor
aearnest@wscp.com

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Warm Springs Composite Products web-site: www.wscp.com

WARM SPRINGS
COMPOSITE PRODUCTS

PO Box 906, Warm Springs, Oregon 97761

(541) 553-1143

WSCP - 412 Fire Core

Product Features and Specifications

Description

Mineral Core is pink in color and manufactured in our plant in Warm Springs Oregon. The product is a rated core for use in 45 Minute, 60 Minute, and 90 Minute fire doors in single swing openings up to 4/0 x 8/0 and up to 8/0 x 8/0 for pair doors. Multi piece core of up to 5 parts are allowed in fire approvals.

Specifications

| | |
|---|--|
| Moisture Content | < 6% |
| Maximum Service Temperature | 1,900 °F |
| Thickness/Panel Size | Up To 2.125" / 34" x 82" |
| Density | 20 +/-2 Lbs./Cubic Foot |
| Hardness | 70-80 Dur. (ASTM D-2440 Type 0) |
| Ambient MOR/@1900 °F for 12 Hrs. | 109.1 psi/29psi |
| Linear Shrinkage @ 1900 °F for 24 Hrs. | < 1.5% |
| Compressive Strength at 10% Compression | No Heat - 96.64 psi 24 Hrs. @ 1900°F - 6.52 psi |

Thermal Conductivity

| Btu-in./hr-ft² °F | | W/m²°C | |
|-------------------------------------|------|--------------------------|-------|
| 400 °F | .62 | 204°C | 0.089 |
| 800 °F | .90 | 430°C | 1.129 |
| 1,000 °F | 1.1 | 540°C | 1.158 |
| 1,300 °F | 1.31 | 690°C | 1.188 |
| 1,500 °F | 1.38 | 801°C | 0.198 |

Characteristics

| | |
|---------------------------|---------------------------------|
| Composition | Man made vitreous fiber |
| Storage Temperature Range | 0-45°C |
| Storage Humidity Range | 20-80% - Keep Dry |
| Fire Approvals | UL 10(c) (2009)/CAN/ULC S104-10 |

Benefits

| | |
|------------------|---|
| Surface Adhesion | Low dust, does not require pre-treatment for bonding. |
| Low Density | Very low weight compared to competing products. |
| Stability | Easy to sand and very stable in a finished door |

Adhesives

Multiple adhesives are approved, check with Warm Springs for details.

Storage and Handling

Store horizontally on even surfaces supporting the entire panel.
Use reasonable care in handling and transporting core.

Availability

Only available from Warm Springs Composites.



**PAINTING MATERIAL
TECHNICAL DATA**



SAFETY INDICATION

Most paints contain inflammable solvents and some contain materials, which can harm the skin, or damage the breath of swallowed or inhaled. Whilst most countries have developed regulations to control labelling, storage and use of toxic or hazardous materials yet there is no agreed international code or system.

MAS PAINTS will adopt the local requirements in any country where their products are sold, but since it is quite impossible and even confusing to apply all the marks, which could be required for every country, a MAS PAINTS system has been developed which is standard for our products throughout the world. We will then add local regulation markings in addition, if required.

Two major classes of risk must be controlled and precautions defined which would reduce the risk to acceptable levels:

A) Health risks, these include: -

1. Gases or vapours. These could include solvent evaporation during the drying period, or perhaps formed during heating of the painted object.
2. Liquids in the paint. These might be solvents, or perhaps binders, which may be toxic if swallowed or inhaled as spray droplets, or dermatitis or toxic in contact with the skin.
3. Powders of dusts. These can be formed during heating painted objects (e.g. flame cutting or welding painted steel), or be present in powder formed during sanding operations, or in spray mist.

B) Fire or explosion risks, these include:-

1. Fire risk during storage or transport. Most paints other than water-based products can be ignited and will support flame.
2. Explosion hazard during application. Inflammable solvents in mixture with oxygen in air can explode within certain concentration limits if ignited or detonated.

The following symbols are used to define the classes of hazard and this data sheet detail of precautions, which should be taken in each case.

Relatively harmless paint.

Normal measures which are always applicable are:

- Wash hands regularly and thoroughly with warm water / soap.
- Immediately cover any wound or cut.
- Do not roll cigarettes, smoke, or eat with dirty hands.
- Beware of possible dust or fumes resulting from sand papering or burning.
- Check carefully that there is no possible fire or explosion risk.
- Check whether extra ventilation is required.

Highly inflammable paint. Flash Point up to and including 23°C (DIN 53213).

Flash point of paints and solvents is stated in all our product data sheets. This is the lowest temperature at which a mixture of the material with air can ignite or explode. If the temperature of the air is provided to reduce

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

FACTORY : P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E
TEL : 06 - 5311777, FAX 06 - 5311330:

Website : <http://www.maspaints.com> Email : masuae@emirates.net.ae



the concentration of solvent well below the upper explosive limits. These limits vary from one solvent to another but the LEL is usually about 50g per Ltr. M3 of air.

In brief 200-m3 ventilation airs is required per kilo of solvent to maintain an atmosphere below 20% of LEL.

Such a mixture is safe even at temperatures above the flash point.

Gloves recommended. Paint, which irritates or affects skin or mucous membranes.

Solvents and other components in some paints can irritate the skin, and although in normal paints this may only be a minor and temporary irritation, dermatitis of sensitive skins can be caused by solvents or chemicals in some paints. These are indicated by this 'gloves' sign. Barrier creams together with gloves, goggles and possibly facemasks should be used. In all cases, however, the habit of using solvents to clean the skin after painting should be discouraged.

Contact of paint with the skin should be avoided by use of barrier creams and protective gloves. Any paint on the skin should be removed at once with skin cleaning liquids or jellies and then washed with water.

Mask Recommended.

Inhalation of dust and spraymist is harmful.

Dust, smoke and spray mist can be filtered by facemasks containing a dust filter cartridge. Cartridges are also available which absorb both dust and solvents. These are only effective whilst there is no apparent smell of solvent. The filler is exhausted when the odour of solvent can be detected and the filter should then be changed. It is most important that the correct filter for the class of work should be used. These are described by the manufacturers of facemask and filter.

Fresh Air Mask Recommended.

Inhalation of vapour and dust is harmful.

Toxic substances in paint usually enter the body by inhalation of gases, vapours, fumes, dusts or spray mists. An indication of the level of hazard is the Threshold Limits Value (T.L.V.), at one time called Maximum Allowable Concentration (M.A.C.). This is the concentration, which can be tolerated by a healthy worker for 8 hours a day without adverse effects. The lower the figure, the more toxic the substance. The concentrations are given either as parts per million (ppm), i.e.cm3 of vapour per m3 of air, or for solid dusts as mg per m3. The minimum volume for air required to achieves this safe level of concentration will be given in our data sheets. In some cases it is essential that operators are supplied with, and required to use, fresh air masks or respirators fed with clean air at positive pressure. It is important that the mask has a good facial fit.

Keep skin covered as far as possible, wear gloves and protect the eyes. Avoid contamination of the skin. Provide very good ventilation and wear fresh air mask. Change all over clothes and shoes immediately after finishing the work. Keep dirty cloths and other objects separate, destroy or clean contaminated clothes with care. Wash the hands very thoroughly. Handle empty containers with care and avoid contamination of the environment with any poisonous paint or waste.

The MAS PAINTS SYSTEM will show one, or a combination of more than one, of the described symbols. The safety code required in each country will be added to drums used in that country.

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BASIC SURFACE PREPARATION

Normally, before applying the painting system, one should carefully analyze the state of the support surface and check the requirements of the new paint and the compatibility of the painting materials with existing surfaces. Before painting one must also prepare the surface which involves the following steps:

1. Make sure that the support has a maturation time of at least 28 days (at an ambient temperature not below 10⁰C).
2. Check the preservation status. The surface must be smooth.
3. If old paint is present, remove any peeling parts that are not completely adhered, while raised layers of lime-based or tempera paints must be completely removed by thoroughly wetting the surface and scraping, or using high pressure water-jet machine.
4. Remove any efflorescence present by brushing or washing.
5. Remove any dust, smog and other deposits by brushing.
6. To restore the flatness of the surface, smooth and/or restore the plaster using smoothing coats such as PVA Wallfiller or Acrylic Stucco Filler.
7. Sand putty and touch-ups with Sandpaper.
8. If mold or algae are present, first treat the surface with Aquawood Preservative.
9. To avoid efflorescence, we recommend applying MAS Masonry AR Primer prior to the subsequent coatings.
10. Make sure that the support is completely dry and that the surface temperature is greater than 5⁰C and below 35⁰C
11. Consolidate the surface using appropriate bonding agent as required in every Decorative paints, choosing the consolidating product based on the state of the surface and the selected finishing system and adjust dilution according to the type and absorption of the support surface.
12. Paint as desired.

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P.U. THINNER 105

General Description:

P.U. THINNER # 105 is a solvent not interfering with urethane reaction performed by a wide range of evaporation.

Characteristics:

| Appearance | Visual | Clear |
|--------------------|-------------|-----------|
| Specific weight | ASTM D 1475 | 0.86 kg/L |
| Colour (Saybolt) | ASTM D 1209 | +28 |
| Boiling point | ASTM D 850 | 80°C |
| Copper corrosion | ASTM D 849 | none |
| Acidity | ASTM D 1316 | <0.03% |
| Non-aromatics | ASTM D 2360 | 40% |
| Flash point (Abel) | IP 170 | 10°C |

Properties:

P.U. THINNER # 105 is a mixture of aromatic hydrocarbon, esters, ketone. It is recommended for polyurethane varnishes due to its average evaporation.

Storage:

Keep the container tightly closed. Shelf life is unlimited in close container. Keep away from direct sunlight and other sources of heat or ignition; do not smoke in storage areas.

Packing:

Available in 4 lit (Usg), 20 lit (Pail) and 200 lit (Drum)

Physiological Hazards:

P.U. THINNER # 105 contains highly flammable solvents. Always use protective gloves and eye goggles when handling this product. It is highly recommended to provide proper ventilation on working area. If contact with skin or splash in eyes, wash with fresh water and seek medical assistance.

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MAS PAINTS & CHEMICAL INDUSTRY

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PU SANDING SEALER # 1342 SP

General Description:

PU SANDING SEALER # 1342 SP is a polyurethane lacquer sealer based on polyfunctional saturated polyesters. A two component materials with high covering power, elasticity and sanding characteristics. Because of the excellent quality of raw materials, it does give a covering film of great transparency and requires minimum coat.

Major Uses:

Best for furniture, office tables, shelves, turned pieces, cabinets, and all wood works.

Characteristics and Physical Properties:

| | |
|------------------------|---|
| Appearance | Opalescent |
| Specific gravity | 0.980 kg/L |
| Viscosity @ 25°C | 45-60" FC # 4 |
| Flash point | 25°C |
| Non volatile (%wt.) | Base : 45.0 Catalyst: 27.5 |
| Application condition: | |
| Air temperature | 5~35°C |
| Relative humidity | 85% max. |
| Application method | Conventional / Auto Spray / Curtain coater |
| Recommended Catalyst | Catalyst # 034 |
| Thinner | PU Thinner # 105 |
| Mixing ratio | Base:Catalyst:Thinner 100 : 50 : 25-30 |
| Pot life @ 25°C | 3-4 hrs |
| Drying time @ 25°C | |
| Dust free | 10-15 min. |
| To touch | 35-45 min. |
| To recoat | 2-3 hrs. |
| Hard | 24-36 hrs. |
| Sandable | 1-2 hrs. |
| Coverage | 6~8 m ² /L |
| Recoating | Minimum 30 min ~ 3 hrs max. medium sanding with 240/360 grit sand paper is recommended before subsequent coat. |

Method of Application:

Prepare the surface to be painted with manual or automatic sanding machine.

- Apply the required dyes or stain (optional)
- Apply 1 – 2 coat of PU Sanding Sealer # 1342 SP with catalyst, vertically and horizontally.
- After the primed coat gets dried, sand it with medium sand paper up to the extent not to damage the substrate.
- If required, apply putty filler on nail holes, cracks and joints.
- Apply 1 – 2 coats of PU Sanding Sealer # 1342 SP prior to the final topcoating.
- When applied on a curtain coater, the coating weight and viscosity should be carefully checked from the start and re-checked when lacquer and thinner is added to the feeding tank

Packing:

Available in 1Usg, 20 li. Pail and 200 li. Drum.

Storage:

Shelf life 12 months minimum if stored below 25°C.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105.

Physiological Hazards:

PU SANDING SEALER # 1342 SP and Catalyst # 034 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU SANDING SEALER # 1342 SP is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

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PU GLOSS # 507 CLEAR

General Description:

PU GLOSS # 507 CLEAR is a polyurethane glossy varnish based on poly – functional saturated polyester resin. A varnish of two component materials with excellent covering properties and optimum brilliant finish. Due to its high solid content, it provides a U.V. resistance; resistant to weathering and some limited acid spillage.

Major Uses:

Highly recommended for household furniture such as beds, cabinets, chairs, sofas, doors and frames turned pieces and likes.

Characteristics and Physical Properties:

| | |
|--|--|
| Appearance | Liquid Transparent. |
| Specific Gravity (20°C) | 0.95 kgs. / lit. |
| Viscosity (25°C, FC # 4) | 25 +/- 0.5 sec. |
| Flash Point | 20°C |
| Non – Volatile (Wt.%) | 48 +/- 0.5 |
| VOC Content | 610 g/li. |
| Application Condition Air Temperature Relative Humidity | 5 ~ 35°C Max. 85% |
| Application Method | Brush, Spray or Roller |
| Recommended Catalyst | Catalyst # 003 |
| Thinner | PU Thinner # 105/205 |
| Mixing / Dilution Ratio (wt%) | Base : Hardener : Thinner 100 50 35 – 50 |
| Pot Life (20°C) | 6 ~ 8 hrs. |
| Drying Time (20°C) Dust Free To Touch To Recoat Hard | 10 – 20-min. 35 – 45 min. 2 – 3 hrs. 24 – 36 hrs. |
| Coverage | 5 ~ 7 m ² / lit. |
| Recoating | minimum 30 min ~ max 3 hrs. medium sanding with 240 / 360 mesh sand paper is recommended before subsequent coat is needed. |

Method of Application:

- The surface to be topcoated should be primed with either polyurethane primer or polyester primer.
- It should be cleaned, well – sanded and free from dust, oil, water and other contaminants.
- To a well – prepared surface, apply 1 – 2 coats of P.U. GLOSS # 507 CLEAR, horizontally and vertically.
- If additional coat is required to obtain a good finish, light sanding is necessary with 600-800 grit sandpaper is recommended prior to final coating.

Packing:

Available in 1USG, 20 lit. Pail and 200lit Drum.

Storage:

Shelf life 12 months minimum if stored below 25°C.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105.

Physiological Hazards:

PU GLOSS # 507 CLEAR and Catalyst # 003 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU GLOSS # 507 CLEAR is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

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PU MATT C/40 CLEAR

General Description:

PU MATT C/40 CLEAR is a transparent polyurethane varnish based on saturated polyester resins, to provide smooth and satin finish with good covering properties and excellent hardness. Due to high quality of raw materials, it is resistant to water and mild acids and alkalis.

Characteristics and Physical Properties:

| | |
|--|---|
| Appearance | Transparent |
| Specific Gravity | 0.97+/-0.05 g/L |
| Viscosity @ 25°C | 40-50" FC # 4 |
| Gloss | 40° |
| Flash point | 20°C |
| Solid content (wt.) | 46% |
| Application Condition: Air temperature | 5 ~ 35°C |
| Application method | Auto or conventional spray |
| Recommended Catalyst | Catalyst # 034 |
| Thinner | PU Thinner # 105/205 |
| Mixing/Dilution Ratio (13-15" FC # 4) | Base:Hardener:Thinner 100 50 25-30 |
| Pot life | 3 ~ 4 hrs. |
| Drying time: Dust free Touch dry Hard dry Recoat | 15-20' 30-45' 1-2 hrs 24-36 hrs |
| Coverage | 7-8 m ² /L (120 gms/m ²) |
| Pencil hardness | HB-H |
| Recoating | One coat may be sufficient for ordinary finish. However, one additional coat can be applied wet on wet if necessary. Light sanding with 400 ~ 600 mesh sand paper is recommended before subsequent coat when recoating time exceeds 3 hrs and remove traces of wax. |

Major Uses:

PU MATT C/40 CLEAR is excellent for wood furniture such as beds, cabinets, chairs, sofas, doors and frames.

Surface Preparation:

- The surface to be coated should be primed with basecoat lacquer clear either polyurethane or polyester based sealer.
- It should be cleaned, well – sanded and free from dust, oil water and other contaminants.
- To a well – prepared surface, apply 1 – 2 coats of P.U. MATT C/40 CLEAR, horizontally and vertically.
- To obtain a perfect finish coat, sand again with a very fine sand paper and repeat the top coating process.

Storage:

Shelf life of 12 months minimum if stored below 25°C.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1 lit, 1 Usg, 20lit Pail, and 200lit Drum.

Precautions:

P.U. MATT C/40 CLEAR and Catalyst # 034 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. P.U. MATT C/40 CLEAR is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

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MAS PAINTS & CHEMICAL INDUSTRY

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**PU SEMIGLOSS SPC/50
CLEAR**

General Description:

PU SEMIGLOSS SPC/50 is a premium polyurethane clear lacquer based on poly – functional saturated polyester resins and special additives, to provide smooth and semigloss finish with good covering properties, excellent hardness and better flexibility.

Major Uses:

PU SEMIGLOSS SPC/50 is excellent for wood furniture such as beds, table top, cabinets, chairs, sofas, doors and frames.

Characteristics and Physical Properties:

| | |
|-------------------------|-----------------------------|
| Appearance | Clear Liquid |
| Specific Gravity (20°C) | 1.0 kg/li. |
| Viscosity(25°C,FC # 4) | 60 sec. |
| Flash Point | 20°C |
| Non – Volatile (Wt.%) | 48+/- 0.5 |
| Gloss (60°) | 50-60 |
| Application Condition | |
| Air Temperature | 5 ~ 35°C |
| Relative Humidity | Max. 85% |
| Application Method | Auto or Conventional Spray |
| Recommended Catalyst | Catalyst # 054 |
| Thinner | PU Thinner # 105/205 |
| Mixing Ratio (wt%) | Base : Hardener : Thinner |
| (FC # 4 13 ~ 15 sec.) | 100 75 25 ~ 30 |
| Pot Life (20°C) | 3 ~ 4 hrs. |
| Drying Time | |
| Dust Free | 15 ~ 20 min. |
| To Touch | 30 ~ 45 min. |
| To Recoat | 1 - 2 hrs. |
| Hard | 24 ~ 36 hrs. |
| Coverage | 8 ~ 10 m ² / lit |
| Pencil Hardness | HB - H |

Surface Preparation:

- The surface to be top coated should be primed with either PU Sanding Sealer , Primeseal or Polyester Primer.
- It should be cleaned, well – sanded and free from dust, oil water and other contaminants.
- To a well – prepared surface, apply 1-2 coat of PU SEMIGLOSS SPC/50, horizontally and vertically.
- One or two coat may be sufficient for ordinary finish; However, to obtain a good finish, additional coat can be applied wet on wet if necessary. Light sanding with 400-600 grit sandpaper is recommended before subsequent coat when recoating exceeds 3 hrs. and remove traces of wax.

Storage:

Shelf life of 12 months minimum if stored below 25°C.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in, 1 USG , 20lit Pail, and 200lit Drum.

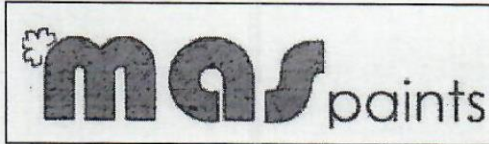
Precautions:

PU SEMIGLOSS SPC/50 and Catalyst # 054 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU SEMIGLOSS SPC/50 is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

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ACRYLIC SEALER TA/061

General Description:

ACRYLIC SEALER TA / 061 is based on acrylic resin for a non – yellowing basecoat. It is developed to provide a good covering, good sanding ability and preserves natural colour of the wood. It is weather resistant, unaffected by humidity, heat and sunlight.

Major Uses:

Best recommended for furniture, tables, chairs doors and frames, outdoors furniture and external wood works.

Characteristics and Physical Properties:

| | |
|--|---|
| Appearance | Opaque |
| Specific Gravity (20°C) | 0.980 |
| Viscosity (25°C, FC # 4) | 60+ / - 5 Sec. |
| Flash Point | 23°C |
| Non – Volatile (Wt.%) | 40 + / - 0.5 |
| Application Condition Air Temperature Relative Humidity | 5 ~ 35°C Max. 85% |
| Application Method | Brush, Spray or Roller |
| Recommended Catalyst | Catalyst # 026 |
| Thinner | PU Thinner # 205/305 |
| Mixing / Dilution Ratio (wt%) | Base : Hardener : Thinner 100 20 25 ~ 30 |
| Pot Life (20°C) | 6 ~ 8 hrs. |
| Drying Time (20°C) Dust Free To Touch To Recoat Hard | 20 – 30-min. 35 – 45 min. 2 – 3 hrs. 24 – 36 hrs. |
| Coverage | 5~ 7 m ² / lit. (90-120gms / m ²) |
| Recoating | minimum 30 min ~ max 3 hrs. medium sanding with 240 / 360 mesh sand paper is recommended before subsequent coat is needed. |

Application Procedure:

The mixture ready for use, can be applied by brush, roller or spray. Surface to be painted must be free of dirt and other contaminants. In the remaking of old woods, it is imperative to remove traces of wax, dirt and other oily matter to ensure a perfect adhesion of paint. Apply 1 – 2 coats of Acrylic Sealer TA / 061.

Precautions:

- Mixing ratio should be correctly observed.
- Paint should be used within the pot life after components have been mixed together.
- Pot life decreases at high temperature.
- Bubbling due to excessive coatings within relatively short time is likely to occur in summer. 1 – 2 thin initial coat and longer recoating interval (50 – 60 min.) eliminates bubbling.
- Never leave drums of catalyst open.

Storage:

Keep away from heat fire and store in dark, cool place at a temperature below 25°C. Shelf life up to 12 months in closed container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1 Usg, 20lit Pail, and 200lit Drum.

Physiological Hazards:

ACRYLIC SEALER TA / 061 does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. ACRYLIC SEALER TA / 061 is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

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ACRYLIC CLEAR MATT TA/066

General Description:

ACRYLIC CLEAR MATT TA / 066 is based on non-yellowing hydroxyl functional acrylic resins and saturated isocyanates, satin finish with good covering properties for external application. It is weather resistant, unaffected by humidity, heat and sunlight.

Major Uses:

Recommended for outdoor furniture, steel gates, external doors and frames, wood trenches and hardwood.

Characteristics and Physical Properties:

| | |
|---|--|
| Appearance | Transparent Liquid |
| Specific Gravity (20°C) | 0.96 + / - 0.3 |
| Viscosity (25°C, FC # 4) | 25 Sec. |
| Flash Point | 23°C |
| Non - Volatile (Wt.%) | 33 + / - 0.5 |
| Gloss (60°) | Matt (Satin Finish) |
| Application Condition | |
| Air Temperature | 5 ~ 35°C |
| Relative Humidity | Max. 85% |
| Application Method | Brush, Spray or Roller |
| Recommended Catalyst | Catalyst # 026 |
| Thinner | PU Thinner # 105 |
| Mixing / Dilution Ratio (wt%) (FC # 4 13 ~15 Sec.) | Base : Catalyst : Thinner 100 20 25 ~ 30 |
| Pot Life (20°C) | 5 ~ 6 hrs. |
| Drying Time (20°C) | |
| Dust Free | 20 - 25 min. |
| To Touch | 30 - 45 min. |
| To Recoat | 2 - 3 hrs. |
| Hard | 24 - 36 hrs. |
| Coating Rate | 12 - 14 m ² /lit. (80-120gms/m ²) |
| Recoating | One coat may be sufficient for ordinary finish however; one additional coat can be applied wet on wet if necessary. Light sanding with 400 ~ 600 mesh sand paper is recommended before subsequent coats , when recoating time exceeds 3 hrs. |
| Recommended Sealer | Acrylic Sanding Sealer TA /061 |

Application Procedure:

The mixture ready for use can be applied by brush, roller or spray. Surface to be painted must be free of dirt and other contaminants. In the remaking of old woods, it is imperative to remove traces of wax, dirt and other oily matter to ensure a perfect adhesion of paint. Apply 1 - 2 coats of Acrylic Sanding Sealer TA / 061 prior to application of ACRYLIC CLEAR MATT TA / 066.

Typical Recommended System:

| | |
|---------------------------------|----------|
| Acrylic Sanding Sealer TA / 061 | 2 Coats. |
| ACRYLIC CLEAR MATT TA / 066 | 1 Coat |

Precautions:

- Paint should be used within the pot life after components have been mixed together.
- Never leave drums of Catalyst open.

Storage:

Keep away from heat and fire. Store in the dark, cool and dry places. Shelf life up to 12 months in closed container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1 Usg, 20lit Pail, and 200lit Drum.

Physiological Hazards:

ACRYLIC CLEAR MATT TA / 066 does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. ACRYLIC CLEAR MATT TA / 066 is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

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ACRYLIC SEMIGLOSS TA/067 CLEAR

General Description:

ACRYLIC CLEAR SEMIGLOSS TA/067 is based on non-yellowing hydroxyl functional acrylic resins and saturated isocyanates. It is weather resistant, high gloss and provides efficient protection to light sensitive substrates such as woods and plastics.

Major Uses:

Recommended for outdoor furniture, steel gates, external doors and frames, automotive refinishes, industrial and trade sales coatings.

Characteristics and Physical Properties:

| | |
|--|---|
| Appearance | Clear Transparent Liquid |
| Specific Gravity (20°C) | 0.96 + / - 0.1 |
| Viscosity (25°C, FC # 4) | 45 Sec. |
| Flash Point | 23°C |
| Non - Volatile (Wt.%) | 50 + / - 0.5 |
| Gloss (60°) | Semi Gloss |
| Application Condition Air Temperature Relative Humidity | 5 ~ 35°C Max. 85% |
| Application Method | Brush, Spray or Roller |
| Recommend Catalyst | Catalyst # 026 |
| Thinner | PU Thinner # 105 |
| Mixing / Dilution Ratio | Base : Hardener : Thinner 100 20 25 ~ 30 |
| Pot Life (20°C) | 5 ~ 6 hrs. |
| Drying Time (20°C) Dust Free To Touch To Recoat Hard | 20 - 25 min. 30 - 45 min. 2 - 3 hrs. 24 - 36 hrs. |
| Coating Rate | 12 ~ 14 m ² /lit. (80-120gms/m ²) |
| Recoating | one coat may be sufficient for ordinary finish however; one additional coat can be applied wet on wet if necessary. Light sanding with 400 ~ 600 mesh sand paper is recommended before subsequent coats , |
| Recommended Sealer | Acrylic Sanding Sealer TA/061 |

Application Procedure:

The mixture ready for use, can be applied by brush, roller or spray. Surface to be painted must be free of dirt and other contaminants. In the remaking of old woods, it is imperative to remove traces of wax, dirt and other oily matter to ensure a perfect adhesion of paint. Apply 1 - 2 coats of Acrylic Sanding Sealer UV / 061 prior to application of ACRYLIC CLEAR SEMIGLOSS TA/067.

Typical Recommended System:

| | |
|--------------------------------|---------|
| Acrylic Sanding Sealer TA/061 | 2 Coat. |
| ACRYLIC CLEAR SEMIGLOSS TA/067 | 1 Coat |

Precautions:

- Never leave drums of Catalyst open. Paint should be used within the pot life after components have been mixed together.

Storage:

Keep away from heat and fire. Store in the dark, cool and dry places. Shelf life up to 12 months in closed container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1 Usg, 20lit Pail, and 200lit Drum.

Physiological Hazards:

ACRYLIC CLEAR SEMIGLOSS TA/067 does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. ACRYLIC CLEAR SEMIGLOSS TA/067 is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

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PU PARQUET TOPCOAT

General Description:

PU PARQUET TOPCOAT is a polyurethane lacquer, particularly formulated for varnishing parquet, offering a very high flexibility and an outstanding resistance to abrasion.

Major Uses:

PU PARQUET TOPCOAT is highly recommended to varnish wooden floors and parquet to protect the same with abrasion and trampling.

Characteristics and Physical Properties:

| ✓ ppearance | Transparent liquid | | |
|---|--|-------|-------|
| Code | 1000 | 1002 | 1004 |
| Specific gravity | 0.930 | 0.970 | 0.970 |
| Gloss | Gloss | Satin | Matt |
| Viscosity (25°C-FC#4) | 26" | 26" | 26" |
| Flash point (°C) | 20 | 20 | 20 |
| Catalyst | 050 | 055 | 055 |
| Non-volatile (%W) | 37 | 39 | 40 |
| Application condition Air temperature Relative humidity | 5 ~ 35°C 85% max | | |
| Application method | Brush, spray, roller | | |
| Thinner | PU Thinner 105/205 | | |
| Mixing ratio (%V) (Visc.= 13-15" FC # 4) | Base : Hardener : Thinner 100 : 100 : 25-30 | | |
| Pot life (25°C) | 3 - 4 hours | | |
| Drying time (25°C) | | | |
| Dust free | 20 - 25 min | | |
| To touch | 30 - 45 min | | |
| To recoat | 2 - 3 hours | | |
| Hard | 24 - 36 hours | | |
| Coating rate | 8 ~ 10 m ² /L | | |
| Recoating | One coat may be sufficient for ordinary finish, however, one additional coat can be applied wet on wet if necessary. Light sanding with 400-600 grit sandpaper is recommended before subsequent coat when recoating time exceeds three (3 hours) | | |

Application Procedure:

The mixture ready for use, can be applied by brush, roller or spray. Floors must be free from contaminants. In the remaking of old floors and parquet, it is essential to remove traces of wax, dirt and other oily matter to ensure a perfect adhesion of paints. Apply 1 - 2 coats of P.U. Parquet Sealer, prior to application of P.U. PARQUET TOPCOAT.

Precautions:

- Paint should be used within the pot life after components have been mixed together.
- Never leave drums of Catalyst open.

Storage:

Keep away from heat and fire. Store in the dark, cool and dry place. Shelf life up to 12 months in closed container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1 Usg, 20lit Pail

Precautions:

P.U. PARQUET TOPCOAT does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. P.U. PARQUET TOPCOAT is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

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PU PARQUET SEALER

General Description:

PU PARQUET SEALER is a two component sanding sealer based on plasticising saturated polyester to provide a hard and flexible (even in high thickness application) basecoat for wood especially for parquet and wooden floors.

Major Uses:

Designed to be used as basecoat for semi open pore, high quality furniture and timber window, wood floors, and parquets.

Characteristics and Physical Properties:

| | |
|--|--|
| Appearance | Opalescent |
| Specific gravity | 0.970 kg/L |
| Viscosity @ 25°C | 29" FC # 4 |
| Flash point | 20°C |
| Non volatile (%wt.) | Base : 43.0 Catalyst: 40.0 |
| Application condition: Air temperature Relative humidity | 5-35°C 85% max. |
| Application method | Brush, Spray, Roller |
| Recommended Catalyst | Catalyst # 075 |
| Thinner | PU Thinner # 105/205 |
| Mixing ratio | Base:Catalyst:Thinner 100 : 50 : 25-30 |
| Pot life @ 25°C | 3 - 4 hrs |
| Drying time @ 25°C Dust free To touch To recoat Hard Sandable | 20 - 25 min. 30 - 45 min. 2 - 3 hrs. 24 - 36 hrs. 1 - 2 hrs. |
| Coverage | 6-8 m ² /L |
| Recoating interval | Minimum 30 min ~ max 3 hours. Light sanding with 400-600 grit sandpaper is recommended before subsequent coat when recoating exceeds 3 hrs |

Precautions:

- Mixing ratio should be correctly observed.
- Paint should be used within the pot life after components have been mixed together. Pot life decreases at higher temperature.
- Bubbling due to 4 ~ 5 coat within relatively short time likely to occur in summer. 1 ~ 2 thin initial coat and longer recoating interval (50 - 60 min) eliminates bubbling.
- Never leave the catalyst open.

Storage:

Keep away from heat and fire. Store in the dark, cool and dry place. Shelf life up to 12 months in closed container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1 Usg, 20lit Pail, and 200lit Drum.

Physiological Hazards:

P.U. PARQUET SEALER does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. P.U. PARQUET SEALER is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

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PU PRIMER # 153 WHITE

General Description:

PU PRIMER # 153 WHITE is a polyurethane pigmented undercoat based on saturated polyfunctional polyesters and selected pigments. A two-component material with outstanding characteristics, filling well pores of all types of woods. It has good sanding qualities, which reduces the number of coats required.

Major Uses:

PU PRIMER # 153 WHITE is primarily used for all types of woods furniture sets, turned pieces.

Characteristics and Physical Properties:

| | |
|-------------------------|---|
| Appearance | White Liquid |
| Specific Gravity (20°C) | 1.50 Kg./ lit. |
| Viscosity (25°C) | 20-30 poise (Sp#4;60rpm). |
| Flash Point | 21°C |
| Non - Volatile (Wt.%) | Base : 76 + / - 0.5 Hardener : 24 + / - 0.5 |
| VOC Content | 600 g/li |
| Application Condition | |
| Air Temperature | 5 - 35°C |
| Relative Humidity | Max. 85% |
| Application Method | Brush, Spray or Roller |
| Recommended Catalyst | Catalyst # 004 |
| Thinner | PU Thinner # 105/205 |
| Mixing Ratio | Base : Hardener : Thinner 100 50 25 ~ 30% |
| Pot Life (20°C) | 2 - 4 hrs. |
| Drying Time (20°C) | |
| Dust Free | 20 - 30-min. |
| To Touch | 35 - 45 min. |
| To Recoat | 2 - 3 hrs. |
| Hard | 24 - 36 hrs. |
| Sandable | 2 - 3 hrs. |
| Coverage | 120-150gms / m ² |
| Recoating | minimum 30 min ~ max 3 hrs. medium sanding with 240 / 360 mesh sand paper is recommended before subsequent coat is needed. |

Method of Application:

- To the surface well prepared, apply 1 - 2 coats of PU PRIMER # 153 WHITE with Catalyst # 004, vertically and horizontally.
- Fill all cracks, deep holes and joints with polyester putty.
- Sand the surface with medium - grade sand paper.
- Apply 1 - 2 coats of PU PRIMER # 153 WHITE prior to the final sanding and top coating.
- In case PU PRIMER # 153 White is used in curtain coating, the viscosity of the lacquer should be carefully controlled and monitored for continuity of the finish.

Packing:

Available in 1Usg, 20 lit. Pail and 200lit Drum.

Storage:

Shelf life 12 months minimum if stored below 25°C.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105.

Physiological Hazards:

PU PRIMER # 153 WHITE and Catalyst # 004 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU PRIMER # 153 WHITE is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advise.

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**PU GLOSS # 2140
WHITE**

General Description:

PU GLOSS # 2140 WHITE is a polyurethane material based on polyfunctional saturated polyester resin. It is formulated to give a maximum glossiness and whiteness, thanks for the high quality of raw material. Furthermore, PU GLOSS # 2140 WHITE is resistant to both extreme weather with no – yellowing effect, resistant to abrasion and provides a very smooth finish.

Major Uses:

Highly recommended to all woodworks, furniture such as beds, cabinets, chairs, sofas, doors and frames, turned pieces and the likes.

Characteristics and Physical Properties:

| | |
|--|--|
| Appearance | Liquid White |
| Specific Gravity (20°C) | 1.23 / - 0.2 kgs. / lit. |
| Viscosity (25°C, FC # 4) | 40 - 60 sec. |
| Flash Point | 21°C |
| Non – Volatile (Wt.%) | 65 + / - 0.5 |
| VOC Content | 535 g/li. |
| Gloss (60°) | 90 - 95 |
| Application Condition Air Temperature Relative Humidity | 5 ~ 35°C Max. 85% |
| Application Method | Brush, Spray or Roller |
| Recommended Catalyst | Catalyst # 016 |
| Thinner | PU Thinner # 105/205 |
| Mixing / Dilution Ratio (FC # 4 13 ~15 Sec.) | Base : Catalyst : Thinner 100 50 20-25 |
| Pot Life (20°C) | 5 ~ 6 hrs. |
| Drying Time (20°C) Dust Free To Touch To Recoat Hard | 15 – 17 min. 45 – 60 min. 2 – 3 hrs. 24 – 36 hrs. |
| Coating Rate | 8-10 m ² /lit.(110-130 g/m ²) |

Method of Application:

- The surface to be top coated should be primed with either Polyurethane Primer or Polyester Primer White.
- It should be cleaned, well – sanded and free from dust, oil, water and other contaminants to ensure long lasting effect.
- Apply 1 – 2 coats of PU GLOSS # 2140 WHITE, horizontally and vertically.
- In any case that recoating is required, 1-2 coats may be sufficient for ordinary finish, however, additional coats can be applied wet on wet. If necessary. Light sanding with 600-800 grit sandpaper is recommended before subsequent coats.

Packing:

Available in 1USG, 20 lit. Pail and 200lit Drum.

Storage:

Shelf life 12 months minimum if stored below 25°C.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Physiological Hazards:

PU GLOSS # 2140 WHITE and Catalyst # 016 do not contain dangerous solvents; nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU GLOSS # 2140 WHITE and Catalyst # 016, in its liquid state is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

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PU MATT # 551 WHITE

General Description:

PU MATT # 551 WHITE is a pigmented topcoat based on poly – functional saturated polyesters. It is formulated for wood application to give an excellent satin finish with good covering properties.

Major Uses:

PU MATT # 551 WHITE is excellent for wood furniture, cabinets, bed sets, interior doors and frames.

Advantages:

For interior/exterior application.
Excellent hardness.
Excellent weather resistance.
Good adhesion and abrasion properties

Characteristics and Physical Properties:

| | |
|---|--|
| Appearance | Liquid white |
| Specific weight | 1.23 +/- 0.2 kg/L |
| Viscosity (FC # 4 @25°C) | 60 – 75" |
| Flash point | 20°C |
| Non-volatile (%wt.) | 60 +/- 0.5 |
| Gloss (60°) | 10 / 20 / 30 |
| Application condition: | |
| Air temperature | 5 ~ 35°C |
| Relative humidity | 85% maximum |
| Application method | Automatic or conventional Spray |
| Recommended catalyst | Catalyst # 013 |
| Thinner | PU Thinner # 105/205 |
| Mixing/Dilution ratio (Visc: 13~15" FC # 4) | Base:Catalyst: Thinner 100 : 50 : 20-25 |
| Pot life (25°C) | 2 – 3 hours |
| Drying time: | |
| Dust free | 15 – 17 min |
| To touch | 45 – 60 min |
| Recoat | 2 – 3 hours |
| hard | 24 – 36 hours |
| Coating rate | 6 – 8 m ² /L |
| Basecoat | PU Primer 153 / SP and Plastofil 350 |

Method of Application:

- The surface to be coated should be primed with PU or Polyester Primer.
- It should be cleaned, well – sanded and free from dust, oil, water and other contaminants.
- To a well-prepared surface, apply 1 – 2 coats of PU MATT # 551 WHITE, horizontally and vertically
- PU Matt # 551 White when applied by curtain coater, the viscosity of the lacquer should be controlled and monitored for the continuity of the finish.
- One coat may be sufficient for ordinary finish however; one additional coat can be applied wet on wet if necessary. Light sanding with 400 ~ 600 mesh sand paper is recommended before subsequent coats, when recoating time exceeds 3 hrs.

Storage:

Shelf life 12 months minimum if stored below 25°C.

Packing:

Available in 1Usg, 20 lit. Pail and 200lit Drum.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105.

Physiological Hazards:

PU MATT # 551 WHITE and Catalyst # 013 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU MATT # 551 WHITE is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

TEL NO: 009716 5311777; FAX: 009716 5311330

Website : <http://www.mas-paints.com>

Email: masuae@emirates.net.ae





**CONCENTRATED
DYES**

General Description:

CONCENTRATED DYES are a range of concentrated dyestuff dispersed in suitable solvent, suitable to use for aqueous and non-aqueous material. It is designed to give a colouristic effect that does not interfere with polyester and sealer. It provides a great transparency and displays the natural design of veneers and the likes.

Major Uses:

CONCENTRATED DYES can be applied over natural or synthetic wood, for required colour and appearance. It can be mixed with PU or NC clear coatings and can achieve different transparent colour paints.

Colours Available:

| | |
|-------|------------------------|
| 15060 | - Green |
| 15061 | - Turquoise |
| 15062 | - Brown |
| 15063 | - Black |
| 15064 | - Lemon Yellow (Dark) |
| 15065 | - Red |
| 15066 | - Yellow Gold |
| 15067 | - Violet |
| 15068 | - Orange |
| 15069 | - Rubino |
| 15070 | - Blue |
| 15074 | - Lemon Yellow (Light) |
| 15740 | - Mahogany |
| 15750 | - Oak |
| 15760 | - Walnut |
| 15770 | - Teak |
| 15780 | - Red Mahogany |
| 15850 | - Rose Wood |
| 15890 | - Cherry |

Characteristics and Physical Properties:

| | |
|-----------------|---|
| Appearance | Coloured liquid |
| Flash point | 25°C |
| Specific weight | 0.950 g/L |
| Coverage/coat | 10 – 12 m ² /L depending on the shade of colour required |

Thinning:

- CONCENTRATED DYES can be mixed with water or suitable solvent with desired concentration.
- For 15060 Green and 15061 Turquoise, polar solvents like acetone or esters are recommended.
- For fast drying application NC Thinner # 115 and for slow drying application MAS Retarder Thinner is recommended.

Drying:

At room temperature, veneers and wood alike is drying in 1 – 2 hours when mix with solvent.

Storage:

Packed in polyethylene tanks, storage is at least one (1) year at room temperature. Do not keep in area below 0° C.

Physiological Hazards:

CONCENTRATED DYES do not contains dangerous solvents, nevertheless, good ventilation in working areas is recommended. Wear safety tool and respiratory mask when using these products. Avoid contact to your skin and eyes, if splash occurs, wash well with fresh water and seek medical advice.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

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WOOD DYES WB

General Description:

WOOD DYES WB are a range of concentrated dyestuff dispersed in water, suitable to use for dip coating of chairs and turned components, etc. as it ensures uniformity of colour without variations caused by absorbency differences of the wood surface. It provides a great transparency and displays the natural design of veneers and the likes.

Colours Available:

| | |
|---------|------------------------|
| 15060/W | - Green |
| 15061/W | - Turquoise |
| 15062/W | - Brown |
| 15063/W | - Black |
| 15064/W | - Lemon Yellow (Dark) |
| 15065/W | - Red |
| 15066/W | - Yellow Gold |
| 15067/W | - Violet |
| 15068/W | - Orange |
| 15069/W | - Rubino |
| 15070/W | - Blue |
| 15074/W | - Lemon Yellow (Light) |
| 15740/W | - Mahogany |
| 15750/W | - Oak |
| 15760/W | - Walnut |
| 15770/W | - Teak |
| 15780/W | - Red Mahogany |
| 15790/W | - Cherry |
| 15850/W | - Rose Wood |

Characteristics and Physical Properties:

| | |
|-----------------|---|
| Appearance | Coloured Liquid |
| Flash Point | >80 °C |
| Specific Weight | 1.0 kg/ lit. |
| Coverage / Coat | 10 –12 m ² / lit. depending on the shade of colour required. |
| VOC Content | 200 g/lit. |

Major Uses:

WOOD DYES WB can be over coated with nitrocellulose, polyurethane, synthetic and after the application of suitable barrier polyester products

Application/Limitations:

- WOOD DYES WB is thinnable with water in any desired concentration.
- Ensure that the water based stains is thoroughly dry prior to application of subsequent lacquer.
- Compatibility with the basecoat applied on the stain must be always checked. If necessary, a barrier must be used.
- It is particularly important for water based stains not to be stored at temperatures below 5°C.
- In case of dipping application, when water based stains are kept for a long time in dipping tanks, the stain may rot, because of the action of bacteria which usually enter the system in several ways: through contaminated water used to thin the product or through wood dust coming from the items to be stained. In order to prevent from rotting, only drinkable water should be used for thinning and the dipping tank should be routinely cleaned from dirt and wood dust by filtering the product.

Drying:

At room temperature, veneers and wood alike is drying in 6 – 8 hours at 25°C in a well ventilated place.

Storage:

- Packed in polyethylene jerry cans, storage is at least one (1) year at room temperature.
- Do not keep in area below 10°C.

Physiological Hazards:

WOOD DYES WB does not contain dangerous solvents, nevertheless, good ventilation in working areas is recommended. Wear safety tool and respiratory mask when using these products. Avoid contact to your skin and eyes, if splash occurs, wash well with fresh water and seek medical advice.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

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WOOD STAIN

General Description:

WOOD STAINS are a blend of concentrated dyestuff and universal stainers dispersed in suitable binder and solvents to emphasize their colouristic effect. Wood stains are ready to use materials and comes to many different colours to choose from, they are fully transparent and display the details of woods.

Major Uses:

WOOD STAINS are used most exclusively to all types of wood, plywood & specially for veneers.

Characteristics and Physical Properties:

| | |
|-----------------|--|
| Appearance | Colored Liquid |
| Specific Weight | 0.90 kg /li |
| Flash Point | 20°C |
| Coverage/coat | 10 – 12 m ² depending on the colour strength required |
| Storage life | Unlimited in cool room |
| Application | By brush, roller, spray, dipping, manual. |

*Note: For different colours shade, refer to our colour catalogues and panels.

Dilution:

Wood stains are incompatible with some solvents therefore use our recommended solvents. Each wood stains are ready for use, and can be mix to others to obtained a different shades of colours.

Method of Application:

Prepare well the wood to be stained, apply wood stains by spraying, dipping, brushing and by scrubbing with cotton waste. Let it dry for 1 – 2 hrs. and proceed to the next stage.

Drying Time:

Veneer and solid woods dries in half an hour depending on the temperature condition.

Storage:

Keep material in a cool place below 25°C. Keep the container tightly closed.

Physiological Hazards:

WOOD STAINS contain solvents. Keep away from open flames. Ensure proper ventilation on working areas, wear gloves and safety clothing while application. When contact with eyes, splash with fresh water and seek immediate medical advice.

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FIRE RETARDANT R-450

General Description:

R 450 is a two component antifire intumescent polyurethane paint in the following versions.

R 450 - Base (2:1) Clear Basecoat

R 450 - Top (1:1) Clear Topcoat

Major Uses:

R 450 is an anti - fire treatment for wall or ceiling panels in wood (match boarding, furniture, and furnishings), GRP and other surfaces. Apart from being excellent anti - fire product, R 450 paint also provides excellent resistance to chemical agents, it is elastic and offers optimal thermal stability. It can also be used on old objects previously painted with other products, even if not anti - fire, as long as the two products are compatible to each other.

Characteristics and Physical Properties:

R 450 - BASE

| | |
|-------------|-----------------|
| Colour | Clear |
| Viscosity | 50" DIN Cup # 4 |
| Pot Life | 90 min. |
| Solids | 65% |
| Flash Point | 20°C |
| Dust Dry | 45 min. |
| Hard Dry | 8 hrs. |
| Sandable | 24 hrs. |

R 450 - TOP

| | |
|-------------|-----------------|
| Color | Clear |
| Viscosity | 35" DIN Cup # 4 |
| Pot Life | 6 hrs. |
| Solids | 72% |
| Flash Point | 20°C |
| Dust Dry | 45 min. |
| Hard Dry | 2 hrs. |
| Sandable | 16 hrs. |

Note: Ambient temperature should be 20°C and relative humidity 65%.

Application:

The product is supplied at its correct viscosity and, therefore, further dilution is not recommended; make sure that the wood is dry (approx. 12% humidity), clean and free of dust and greasy substances (oil, wax, etc.) that would otherwise prevent the perfect anchorage of the product.

Mix both the product well before use and after mixing the two components; proceed with application which may be carried out by paintbrush, curtain coating and spraying systems based on one of the following work cycles.

Application of 400 gms/m² of R450-Base in two separate coats with an intervals of approximately 60 min. (wet-on-wet). Light sanding (180-200 grit sand paper) should be carried out in any case after 24 hours followed by the application of topcoat of R 450 - Top in quantities of 200 gms/m². Overall consumption starts from a minimum of 600 gms/m² of product applied.

| | |
|--|------------------|
| Method of Application: Brush, Roller and Spray | |
| Conventional Spray | |
| Nozzle orifice | 2 - 3 mm. |
| Nozzle pressure | 43 - 57 psi. |
| Dilution | Not recommended |
| Airless | |
| Nozzle orifice | 0.38 - 0.46 mm. |
| Nozzle pressure | 1138 - 1710 psi. |

Storage:

When preserved in its original packaging, keep away from excessively high and low temperatures. Shelf life of 12 months in a tightly close container.

Testing and Classification:

The panel treated with R 450/EAU paint and subjected to the tests provided for by the laws in force obtained Class **B** in relation to its fire reaction behaviour. The additional classification in relation to smoke production is **s1** and **d0** classification in relation to flaming droplets/particles. This classification has been carried out in accordance with clause 8.2 of EN 13501-1:2002 and consequently, were awarded approval released by the Central Technical Service of the Ministry of Internal Affairs in Rome.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner as soon as possible.

Precautions:

R 450/EAU does not contain solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. The mixture, in its liquid state is non - flammable but harmful if swallowed. If contact with eyes occurs, cleanse with fresh water and seek immediate medical advice.

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METALLIC FINISH

General Description:

METALLIC FINISH is a special polyurethane varnish based on poly – functional saturated polyesters and selected metallic pigments.

Major Uses:

- METALLIC FINISH has a variety of colours available upon request.
- Highly recommended for chairs, turned pieces, frames and mouldings.

Characteristics and Physical Properties:

| | |
|-----------------|-----------------------------|
| Appearance | Coloured Opalescent liquid |
| Specific Weight | 1.0 kgs. |
| Flash Point | 21 ^o C |
| Coverage / Coat | 7 – 8 m ² / lit. |

Mixing Ratio:

| | |
|----------------|-----------------------------------|
| Metallic | 100% By Volume |
| Catalyst # 016 | 50% By Volume |
| PU Thinner | 20 – 25% By Volume of total mixt. |

Note: In hot weather, 4 – 5% addition of retarder is recommended. Mix carefully the metallic tins to homogenize the pigment before using.

Method of Application:

- The surface to be coated must be primed with polyurethane or polyester primer.
- So sanded and prepared surface apply Metallic by using normal spray gun with a nozzle diameter (1.7), horizontally and vertically.
- Take note that when over – spraying with polyurethane gloss clear, do not sand the metallic coating.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

Storage:

Store in cool areas below 25^oC. Shelf life is 12 months in closed container. Keep container tightly close.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1Usg, and 20 lit Pail.

Physiological Hazards:

METALLIC FINISH does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. METALLIC is flammable and harmful if swallowed, if contact with eyes occurs, cleanse with fresh water and seek immediate medical advise.

FACTORY : P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

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SHOWROOM : P.O. BOX NO: 23085, INDUSTRIAL AREA, SHARJAH, U.A.E

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مصنعة الاصبغ و الكيماويات
MAS PAINTS & CHEMICAL INDUSTRY



CERTIFICATE

To whom it may concern,

This is to certify that the product under-mentioned are Wood Coating Paints and declared to be free from:

PCBs (Polychlorinated Biphenyl Compound), Pb (Lead), Hg (Mercury), CCA (Chromated Copper Arsenate), CH₂O (Formaldehyde), ACM (Asbestos Containing Material) and other hazardous elements. This product is manufactured by MAS Paints & Chemical Industry located in Sharjah, UAE. It is widely used in the UAE – the country of origin and to other exporting countries.

| Product | HS Code |
|-------------------------|----------|
| Fire Retardant R-450EAU | 32081090 |

The above-mentioned material has been tested and classified Class B in accordance with clause 8.2:

EN 13501-1:2002 - Fire classification of construction products and building elements-Part 1: Classification using tests data from reaction to fire tests.

EN ISO 11925-2 - Reaction to fire tests for building products – Part 2: Ignitability when subjected to direct impingement of flame.

EN 13823:2002 - Reaction to fire tests for building products – Building products excluding flooring exposed to thermal attack by a single burning item.

The additional classification in relation to smoke production is s1. Classification in relation to flaming droplets/particles is d0.

Furthermore, the VOC content as per ASTM D 2369 are as follows:

| | | |
|-----------------------|---|---------|
| FR 450 Basecoat (2:1) | - | 430 g/L |
| FR 450 Topcoats (1:1) | - | 455 g/L |

Warranty:

Products are guaranteed to perform their fire retardant function as represented by the third party tests, if applied accordingly to manufacturer's instruction as mentioned in the TDS.

There are no warranties either expressed or implied since MAS Paints cannot control the actual application of the product. Users must determine the usability and suitability for their particular requirements, as well as the compatibility with the surface to be coated. However, MAS Paints is liable for the material itself to be in good condition.

The data and information herein-mentioned believed to be reliable and correct to best of our knowledge.

For further details, please ask our Technical Dept. for the Technical Data Sheet and Safety Data Sheet.

MAS Paints & Chemical Ind.



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**WOOD'S CHEMICAL
TREATMENT**

Protim 23 WR

Water Repellent Wood Preservative:

USES

PROTIM 23 WR is a water repellent wood preservative for use on external joinery, doors frames, windows frames, ranch-type fencing and any other timber where it is desirable to reduce movement to a minimum, improve paint performance and durability and protect timber, from all wood destroying fungi and wood boring insects, including termites.

ADVANTAGES:

Highly effective against all wood boring insects and wood destroying fungi.

Does not affect wood dimensions.

Does not contain water

Insoluble in water.

Not corrosive to metal

Ready to use

Suitable for use in Middle East conditions.

DESCRIPTION:

PROTIM 23 WR is a water-free organic solvent preservative. It contains a powerful fungicide and contact insecticides. PROTIM 23 WR contains water repellent wax.

CLASSIFICATION:

Type OS BS 1282 ; 1975

Type F2/N1 BS 5707 : 1979

PROPERTIES:

Colour: Golden straw (dries clear)

Flashpoint: 40°C (104°F)

Specific gravity: 0.80 @ 20°C.

Quick cool cloud point: -10°C.

Viscosity: 1.21 cp @ 20°C.

Odour: Once the solvent has evaporated treated timber has little or no odour.

Concentration: Supplied ready for use.

Consumption: 4-6 sq meters per liter, approx., when applied by brush depending on the type of timber.

Durability: Insoluble in water: Can neither be diluted nor leached out by the action of water.

Corrosion: Non corrosive to metal.

Effectiveness: Effective against all wood destroying fungi and wood destroying insects.

Water repellency: When tested according to the method laid down in USA Federal Specifications TT.W.572. (1952) for water repellents for use on exterior joinery, the water repellency was observed to be 80% (ie; treated timber immersed in water for 30 minutes showed 80% reduction in swelling compared with matched untreated control samples.)

Compatibility: Painting: PROTIM 23WR can be over painted. The use of alkyd based primers is recommended. Acrylic primers can be used provided they are applied within 24 hours of brush application.

Glueing: PROTIM 23 WR can be glued with phenol / resorcinol formaldehyde adhesives.

HOW TO SPECIFY

Note: In all instances it is necessary to state end-use of the treated timber.

" Timber is to be treated with PROTIM 23 WR in accordance with an appropriate standard or specification." (See SPECIFICATION COMPLIANCE) OR "Timber is to be treated PROTIM 23 WR in accordance with the manufacturer's instructions.

SPECIFICATION COMPLIANCE

PROTIM 23 WR conforms to the preservative and preservation requirements of the following providing it is applied by the methods described therein.

National House Builders Council.

Building Research Establishment Technical Note No. 24

British Standard 5268 part 5 1977

British Standard 5589 1978

British Standard 5707 part 3 1980

The Building Regulations 1976

INSTRUCTIONS FOR USE

Timber Selection

The surface of the timber must be free from mud, dirt and inner and outer bark. The timber must be also free from (all) signs of attack by wood destroying insects and fungi. At the time of treatment the moisture content should not exceed 24% and should be at moisture content appropriate for the end use of the treated timber. The maximum amount of wood working should be carried out before treatment. If cutting is unavoidable after treatment the freshly exposed surfaces should be liberally treated with preservative. Failure to do this will negate the value of the treatment.

Application

Timber can be treated with PROTIM 23 WR by total immersion for a minimum time of 3 minutes or by two liberal brush coats. Paying particular attention to end grain, However, brush application of wood preservatives is not an acceptable method of treatment for many situations (see SPECIFICATION COMPLIANCE).

PRECAUTIONS

PROTIM 23 WR is no more toxic to man than other similar commonly used preservatives. However, as with other chemical materials care should be taken to wood prolonged contact with the skin, prolonged breathing of any vapour, contact with foodstuffs and oral ingestion. Personal hygiene should be observed at all times. PROTIM 23 WR is toxic to plant life and pets. Treated timber used in contact with plants or animals should be painted or varnished.

PROTIM 23 WR is not highly flammable and does not come under the Petroleum Consolidated Act 1928, the Cellulose Solution Regulation 1934, or the Highly Flammable Liquids Regulations 1973. However, commonsense precautions must be observed regarding the use of naked lights, smoking etc.

The components of PROTIM 23 WR comply with the Saudi Pesticide Regulations, and the product has a notice of approval (No. 3869) from the Health and safety protective authorizing its sale and use under the following registration;

Food and Environment Protection Act. 1985; Part III

The Control of Pesticides Regulation 1989.

STORAGE

Can be stored in mild steel tanks in the open

PACKAGING

5 liter, 25 liters and 200 liter containers.

ADDITIONAL INFORMATION

The Timber Treatments Division of Fosroc Ltd. Manufacturers a wide range of timber treatment products. Information on these and a technical advisory service on all aspects of timber preservation are available on request.

**LIST OF ONGOING AND
EXECUTED PROJECTS**

LIST OF ONGOING PROJECTS

| SL# | COMPANY | PROJECT | SCOPE OF WORKS | LOCATION |
|-----|-----------------------------|--|--|-----------------------------------|
| 1 | BEC SAUDI | KAP2 | Fire Rated and Non-fire rated Wooden door, Cladding, kitchen, Shoe racks, Skirting & Interior Decorative | MAKKA, MADEENA & QATEEF |
| 2 | PRINCESS ALANOOD FOUNDATION | THE PRINCESS AL ANOUD THIRD TOWER | Wooden Doors, Cladding & Interior Decorative | RIYADH |
| 3 | BEC SAUDI | KAP5 | Fire Rated and Non-fire rated Wooden door, Cladding, Skirting & Interior Decorative | NAJRAN, ALBAHA, JIZAN & AL ASSEER |
| 4 | CRCC | KAP5 | Fire Rated and Non-fire rated Wooden door, Cladding, Skirting & Interior Decorative | CENTRAL AREA |
| 5 | BEC SAUDI | AL NOOR MOSQUE - JAZAN | Wooden Doors, Mashrabia, Windows, parquet & all interior decorative | JAZAN |
| 6 | ALASHROUQ TRADING | KING KHALED UNIVERSITY | Fire Rated and Non-fire rated Wooden door, Shoe Racks & Wooden Cornish | ABHA |
| 7 | BEC SAUDI | MAYASEM SCHOOL | Fire Rated and Non-fire rated Wooden doors & skirting | JEDDAH |
| 8 | AL BANI | AL BANI BUILDING - OLAYA | Wooden Doors & Cladding | RIYADH |
| 9 | UNEC | MILITARY INDUSTRIES HOUSING – AL KHARJ | WOODEN DOORS | AL KHARJ |

LIST OF EXECUTED PROJECTS

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|------------------------------------|------------------|
| 1 | GPS 2- NEAR LHPR RIYADH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLADDING • WOODEN COLUMN • WOODEN CABINET • WOODEN TECHNICAL DOORS • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RASHED |
| 2 | YAMAMA FAMILY VILLAS- RIYADH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CABINET • WOODEN SECURITY COUNTER • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RASHED |
| 3 | INTERNATIONAL CONVENSON CENTER - JEDDAH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CABINET • WOODEN SECURITY COUNTER • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RASHED |
| 4 | N.B.A VILLA <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLADDING • WOODEN COLUMN • WOODEN CABINET • WOODEN PARQUET • WOODEN VANITY • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | PRIVATE |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|------------------------------------|--------------------|
| 5 | A.K.F VILL <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN PERGOLA • WOODEN CABINET • WOODEN PERQUET | SAUDI OGER LTD., RIYADH | AL RASHED |
| 6 | PENSION FUND AGENCY <ul style="list-style-type: none"> • WOODEN PANELS • WOODEN PERGOLA • WOODEN BENCH • WOODEN MASHRABIA • WOODEN SKIRTING • WOODEN COUNTER | SAUDI OGER LTD., RIYADH | BEEAH |
| 7 | HALF MOON BAY, AL KHOBAR <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING • WOODEN PANELS • WOODEN TECHNICAL DOORS • WOODEN CEILING | SAUDI OGER LTD., RIYADH | SAUDI DIYAR |
| 8 | SOUTH OBHOR, JEDDAH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING • WOODEN PANELS | SAUDI OGER LTD., RIYADH | AL RAHSED |
| 9 | NAEEM VILLA, JEDDAH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING • WOODEN PANELS • WOODEN TECHNICAL DOORS | SAUDI OGER LTD., RIYADH | AL RAHSED |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|--|------------------------------------|------------------|
| 10 | EMAR SHOW ROOM • WOODEN DOORS • WOODEN SKIRTING • WOODEN PANELS | SAUDI OGER LTD., RIYADH | AL RASHED |
| 11 | OGER SYSTEMS, RIYADH • WOODEN DOORS • WOODEN COUNTER • WOODEN PANELS | SAUDI OGER LTD., RIYADH | AL RASHED |
| 12 | H.O.B AL KHOBAR • WOODEN DOORS • WOODEN COUNTER | SAUDI OGER LTD., RIYADH | AL RASHED |
| 13 | RAFIC ALHARIRI TECHNICAL TRAINING INSTITUTE • WOODEN DOORS | SAUDI OGER LTD., RIYADH | AL RAHSED |
| 14 | DIRIYAH CAMP, RIYADH • WOODEN DOORS | SAUDI OGER LTD., RIYADH | AL RAHSED |
| 15 | SOGEX CAMP, JEDDAH • WOODEN INTERNET CAFÉ • WOODEN COUNTER • WOODEN SKIRTING | SAUDI OGER LTD., JEDDAH | AL RASHED |
| 16 | JANADRIYAH FARM • WOODEN DOORS • WOODEN SKIRTING • WOODEN PANELS | SAUDI OGER LTD., RIYADH | AL RASHED |
| 17 | YAMAMA PALACE, RIYADH • WOODEN DOORS | SAUDI OGER LTD., RIYADH | AL RASHED |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|------------------------------------|------------------|
| 18 | SAMARIYA FARM <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN COUNTER • WOODEN BOOK CASE • WOODEN PARQUET • WOODEN DRESSING CLOSET • WOODEN VANITY • WOODEN PERGOLA • WOODEN PARAPET • WOODEN CLADDING • WOODEN HANDRAILS | SAUDI OGER LTD., RIYADH | AL RASHED |
| 19 | PRINCE METAAB RESIDENCE, JANADRIYA <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN TV CABINET • WOODEN SKIRTING • WOODEN PANELS | SAUDI OGER LTD., RIYADH | AL RASHED |
| 20 | PRINCESS NOUF BIN ABDULLAH RESIDENTIAL VILLA, RIYADH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CABINET • WOODEN TV CABINET • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RASHED |
| 21 | AZIZIAH ISLAND, JEDDAH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING • WOODEN PANELS • WOODEN TECHNICAL DOORS | SAUDI OGER LTD., JEDDAH | AL RASHED |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|------------------------------------|------------------|
| 22 | RAWDA-16 (15 VILLAS) <ul style="list-style-type: none"> • WOODEN DRESSING CLOSET • WOODEN VANITY • WOODEN SKIRTING • WOODEN TECHNICAL DOOR • WOODEN CURTIAN BOX | SAUDI OGER LTD., RIYADH | AL RASHED |
| 23 | RAWDA-24 (6 VILLAS) <ul style="list-style-type: none"> • WOODEN DOOR • WOODEN DRESSING CLOSET • WOODEN SKIRTING • WOODEN TECHNICAL DOOR | SAUDI OGER LTD., RIYADH | AL RASHED |
| 24 | H.O.B – RIYADH <ul style="list-style-type: none"> • WOODEN COUNTER • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RAHSED |
| 25 | H.O.T <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SECURITY DOORS • WOODEN SECURITY COUNTER • WOODEN WINDOW | SAUDI OGER LTD., RIYADH | AL RAHSED |
| 26 | FAHD BIN ABDUL AZIZ VILLA (FBA, RIYADH) <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN TECHNICAL DOOR • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RAHSED |
| 27 | YAMAMA PALACE, JEDDAH <ul style="list-style-type: none"> • WOODEN PARQUET • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RAHSED |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|---|------------------|
| 28 | AZIZIAH PALACE ALKHOBAR <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN VANITY • WOODEN CLADDING • WOODEN SKIRTING • WOODEN CURTAIN BOX | SAUDI OGER LTD., PRINCE SULTAN AREA, AL KHOBAR | AL RASHED |
| 29 | BIG RAKKAH PALACE, AL-KHOBAR <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN VANITY • WOODEN CLADDING • WOODEN SKIRTING • WOODEN CURTAIN BOX | SAUDI OGER LTD., PRINCE SULTAN AREA, AL KHOBAR | AL RASHED |
| 30 | AL TOBEISHI VILLA COMPOUND (4 VILLAS) <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RASHED |
| 31 | OMAR AL JORAIDE <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CORBEL • WOODEN SKIRTING | SAUDI OGER LTD., RIYADH | AL RAHSED |
| 32 | ABU AL KAMAL – RESIDENTIAL VILLA <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING • WOODEN TECHNICAL DOORS | SAUDI OGER LTD., RIYADH | AL RAHSED |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|------------------------------------|--------------------|
| 33 | PRIVATE VILLA, SHARAFIAH • WOODEN CABINET • WOODEN SKIRTING • WOODEN VANITY | SAUDI OGER LTD., RIYADH | AL RASHED |
| 34 | PRINCE MAGED PALACE • WOODEN PARQUET | SAUDI OGER LTD., RIYADH | AL RASHED |
| 35 | KING PALACE, JEDDAH • WOODEN PARQUET • WOODEN SKIRITNG | SAUDI OGER LTD., RIYADH | AL RASHED |
| 36 | DARIYAH FARM-BLDG 015, PRINCE SULATAN AREA • WOODEN DOORS • WOODEN VANITY • WOODEN PARQUET • WOODEN CEILINGS | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 37 | DARIYAH FARM-BLDG 020, PRINCE SULATAN AREA • WOODEN DOORS • WOODEN VANITY • WOODEN PARQUET • WOODEN CEILINGS | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 38 | AL-MA'AZAR PALACE, PRINCE SULTAN AREA • WOODEN DOORS | SAUDI BIN LADEN GROUP | SAUDI DIYAR |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|-----------------------|-------------|
| 39 | PRICE KHALED BIN SULTAN BLDG-030 <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN VANITY • WOODEN CEILINGS • WOODEN SKIRTING • WOODEN DRESSING CLOSET | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 40 | DARIYAH FARM-BLDG 015 <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN VANITY • WOODEN SKIRTING • WOODEN DRESSING CLOSET | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 41 | PRINCE KHALED BIN SULTAN BLDG-004 <ul style="list-style-type: none"> • WOODEN DOORS | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 42 | PRINCE KHALED BIN SULTAN BLDG-005 <ul style="list-style-type: none"> • WOODEN DOORS | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 43 | PRINCE KHALED BIN SULTAN BLDG-026 <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN DRESSING CLOSET | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 44 | PRINCE KHALED BIN SULTAN BLDG-001 (MAIN VILLA) <ul style="list-style-type: none"> • WOODEN DOORS | SAUDI BIN LADEN GROUP | SAUDI DIYAR |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|-------------------------------------|--------------------|
| 45 | PRICE NAWAF (BIN PRINCE SULTAN) <ul style="list-style-type: none"> WOODEN CLADDING WOODEN DRESSING CLOSET WOODEN VANITY WOODEN STAIRS WOODEN PANEL FOR TV | SAUDI BIN LADEN GROUP | SAUDI DIYAR |
| 46 | DAR ARRIYADH <ul style="list-style-type: none"> WOODEN HANDRAIL | SPECIALIZED CONSTRUCTION CO. | PRIVATE |
| 47 | NASER AL RASHED <ul style="list-style-type: none"> WOODEN HANDRAIL | SPECIALIZED CONSTRUCTION CO. | AL RAHSED |
| 48 | HYPAR PANDA <ul style="list-style-type: none"> WOODEN HANDRAIL | SPECIALIZED CONSTRUCTION CO. | PRIVATE |
| 49 | SALMOC <ul style="list-style-type: none"> WOODEN HANDRAIL WOODEN COUNTER TOP | SPECIALIZED CONSTRUCTION CO. | PRIVATE |
| 50 | ALHUKBANI EST SHOWROOM <ul style="list-style-type: none"> WOODEN DOORS WOODEN CLADDING | SPECIALIZED CONSTRUCTION CO. | PRIVATE |
| 51 | AL DOBAIYAN JEWELLERY SHOW ROOM (GRANADA CENTER) <ul style="list-style-type: none"> WOODEN DOORS WOODEN CLADDING WOODEN COUNTER WOODEN DRESSING CLOSET WOODEN BENCH | SPECIALIZED CONSTRUCTION CO. | PRIVATE |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|--|----------------|
| 52 | FAHAD BIN SULTAN – JUBAILAH <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLADDING • WOODEN COUNTER • WOODEN DRESSING CLOSET • WOODEN HANDRAILS • WOODEN TV CABINET • WOODEN HEADBOARD • WOODEN GUN CABINET | KASSIB INTERNATIONAL / SMANDI INTERIORS | PRIVATE |
| 53 | DR. SAAD AL KHARSA VILLA & CLINIC <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLADDING • WOODEN COUNTER • WOODEN DRESSING CLOSET • WOODEN VANITY • WOODEN OFFICE | KASSIB INTERNATIONAL / SMANDI INTERIORS | PRIVATE |
| 54 | DR. HAMMADEH VILLA 1 & 2 <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLADDING • WOODEN COUNTER • WOODEN DRESSING CLOSET • WOODEN VANITY • WOODEN OFFICE | KASSIB INTERNATIONAL / SMANDI INTERIORS | PRIVATE |
| 55 | SWICORP-KINGDOM TOWER <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLADDING • WOODEN COUNTER • WOODEN CABINET • WOODEN VANITY • WOODEN OFFICE | AL MERJAL CO. | PRIVATE |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|----------------------|------------|
| 56 | MOBILY CENTER – FAHDA CENTER <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN STAIRS • WOODEN HANDRAIL • WOODEN PARQUET • WOODEN SKIRTING | ZUHAIR A ZAHRAN EST. | AL ZAHRAN |
| 57 | MOBILY CENTER - MALAZ <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING | ZUHAIR A ZAHRAN EST. | AL ZAHRAN |
| 58 | MOBILY CENTER - SUWAIDE <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN WINDOW • WOODEN SKIRTING | ZUHAIR A ZAHRAN EST. | AL ZAHRAN |
| 59 | MOBILY CENTER - JARIR <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING | ZUHAIR A ZAHRAN EST. | AL ZAHRAN |
| 60 | MOBILY CENTER - HAYEL <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN SKIRTING • WOODEN WINDOW | ZUHAIR A ZAHRAN EST. | AL ZAHRAN |
| 61 | RESIDENTIAL VILLA <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN VANITY | ZAHRAT AL ZAHRA EST. | PRIVATE |
| 62 | AL ZAHRA MAIN OFFICE <ul style="list-style-type: none"> • WOODEN DOORS | ZAHRAT AL ZAHRA EST. | PRIVATE |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|---------------------------------|----------------|
| 63 | VILLA 1- ABDULLAH AL HAMZAH • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN VANITY • KITCHEN | ZAHRAT AL ZAHRA EST. | PRIVATE |
| 64 | VILLA 21- MOHD AL HAMZAH • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN VANITY • KITCHEN | ZAHRAT AL ZAHRA EST. | PRIVATE |
| 65 | M.O.F AL-JOUF • WOODEN DOORS | ZAHRAT AL ZAHRA EST. | PRIVATE |
| 66 | M.O.F NAJLAN • WOODEN DOORS | ZAHRAT AL ZAHRA EST. | PRIVATE |
| 67 | ZUHAIR SALEM • WOODEN DOORS • WOODEN VANITY • WOODEN DRESSING CLOSET • WOODEN PARAQUET • WOODEN CLADDING • WOODEN PANEL FOR TV | CON MANAGEMENT | PRIVATE |
| 68 | BAKIR BIN AHMED AL TURKEY RESIDENTIAL VILLA • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN BED • WOODEN FURNITURES | CON MANAGEMENT | PRIVATE |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|-----------------------------|------------|
| 69 | RESIDENTIAL VILLA COMPOUND (6 VILLAS) <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN DRESSING CLOSET • WOODEN VANITY • KITCHEN | AL OMAWER EST. | PRIVATE |
| 70 | MAIN OFFICE <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLADDING • WOODEN VANITY | AL OMAWER EST. | PRIVATE |
| 71 | ABAIL KHAIL VILLA <ul style="list-style-type: none"> • WOODEN DRESSING CLOSET • WOODEN DOORS • WOODEN HANDRAIL • WOODEN MASHRABIA • WOODEN PARAPET • WOODEN PERGOLA • WOODEN SCREEN • WOODEN STAIRS • WOODEN VANITY | FIRST SAUDI CONTRACTING CO. | PRIVATE |
| 72 | WOODEN OFFICE <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN COUNTER • WOODEN DRESSING CLOSET • WOODEN SKIRTING | AL MUHAYEL INVESTMENT GROUP | PRIVATE |
| 73 | SAUDI INVESTMENT BANK <ul style="list-style-type: none"> • WOODEN DOORS | CCE LTD. | PROJACS |
| 74 | AL HABIB HOSPITAL <ul style="list-style-type: none"> • WOODEN DOORS | EBRAHEM ABALKHAIL | PRIVATE |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|----------------------|--------------------------------|
| 75 | REBDI BROTHERS RESIDENTIAL VILLAS | PRIVATE | PRIVATE |
| | ABDUL RAHMAN AL REBDI VILLA • WOODEN DOORS • WOODEN DRESSING CLOSET | | |
| | ALI F. AL REBDI VILLA • WOODEN DOORS | | |
| | REBDI AL REBDI VILLA • WOODEN DOORS | | |
| 76 | EBRAHIM AL MUNEEF RESIDENTIAL VILLA • WOODEN DOORS • WOODEN CLOSETS | TWIN BROTHERS | PRIVATE |
| 77 | ABDUL RAHMAN AL THUJWERY RESIDENTIAL VILLA • WOODEN DOORS • WOODEN CLOSETS • WOODEN COUNTER • WOODEN VANITY • WOODEN TV CABINET | TWIN BROTHERS | PRIVATE |
| 78 | KHALED BOYAFEZ – PRIVATE PALACE • WOODEN DOORS • WOODEN CLOSETS • WOODEN COUNTER • WOODEN VANITY • WOODEN TV CABINET | TWIN BROTHER | AL OWAIDI INTERIORS |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|--------------------------------|----------------|
| 79 | SHEIK HUSSAM AL RASHEED PRIVATE PALACE <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLOSETS • WOODEN VANITY | SHEIK HUSSAM AL RASHEED | PRIVATE |
| 80 | AL OMAEIR HOTEL AL KHOBAR <ul style="list-style-type: none"> • WOODEN DOORS | AL OMAWER EST. | PRIVATE |
| 81 | MOHAMED SBITAN PRIVATE VILLA <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLOSETS • WOODEN VANITY • WOODEN CEILING | MOHAMED SBITAN | PRIVATE |
| 82 | SHEIK OMAR AL BLAHEED MOSQUE <ul style="list-style-type: none"> • WOODEN DOORS • WOODEN CLOSETS • WOODEN VANITY • WOODEN MASHRABIAH • WOODEN MIHRAB | AL OWAIIDI INTERIORS | PRIVATE |
| 83 | RIYADH PARK MALL - RIYADH <ul style="list-style-type: none"> • WOODEN KIOSKS • WOODEN CEILING • WOODEN PERGOLA • WOODEN TRELLIS • Etc. | ASALA HOLDINGS | PROJACS |

| SL# | PROJECTS / WORKS | CONTRACTOR / OWNER | CONSULTANT |
|-----|---|---|----------------|
| 84 | AL BANI BUILDING OLAYA-RIYADH • WOODEN DOORS • WOODEN DECORATIVE ITEMS | AL BANI CO. | PRIVATE |
| 85 | THE PRINCESS AL ANOOD THIRD TOWER • WOODEN DOORS • WOODEN DECORATIVE ITEMS | THE PRINCESS AL ANOOD FOUNDATION | PRIVATE |
| 86 | JIZAN MOSQUE-C-33-2017 • WOODEN DOORS • WOODEN DECORATIVE ITEMS | BEC-BEIJING EMIRATES INT. CO. | PRIVATE |
| 87 | KAP-5 PROJECTS • WOODEN DOORS • WOODEN DECORATIVE ITEMS | BEC-BEIJING EMIRATES INT. CO. | PRIVATE |
| 88 | KAP-2 PROJECTS • WOODEN DOORS • WOODEN DECORATIVE ITEMS | BEC-BEIJING EMIRATES INT. CO. | PRIVATE |

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