



FOR WOODEN WORKS













intertek









PREQUALIFICATION FILE





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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.





OUR MISSION:

To create truly great doors with new and unique value, and to provide the best customer service

OUR VALUE:

- Embracing innovation & challenge
- Committing to ethical standards and correctness
- Approaching issues from the customer perspective
- Respecting and supporting individuals to foster both corporate and personal growth

OUR PRINCIPLE:

- Do everything possible for our customers
- Pursue excellence and value details
- Achieve strong results through the promotion of diversity and teamwork move speedily and decisively in everything we do
- To be a man with integrity and morality

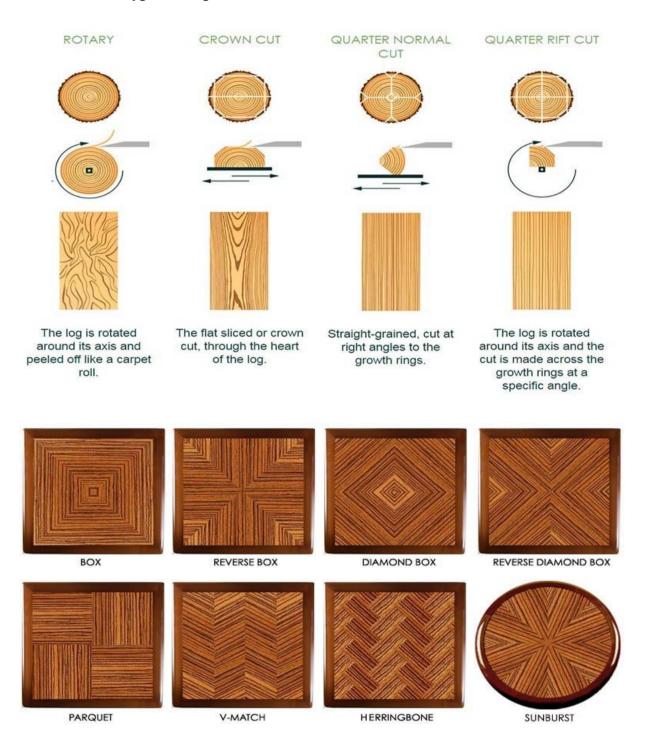
Website: www.darmetal.com.sa - E-mail: info@darmetal.com.sa





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 <u>5 classes</u> 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:

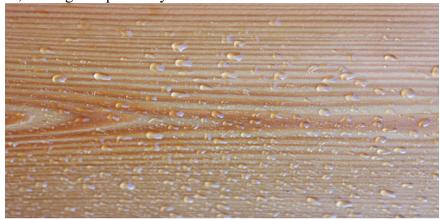




It should be able to endure shocks and vibrations. Usually, woods with narrow annual rings are the toughest.

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:







COMPANY DATA

Name of the Company : DAR Metal Industries

Address : P.O. Box 250183, Riyadh 11391, K S A

Tel.: + 966 1 242 1401 / 242 2878 /

920000242

Fax: +966 1 242 0958

Website: www.darmetal.com.sa E-mail: info@darmetal.com.sa

Type of Company : Saudi Mixed Limited Liability

Commercial Reg. No. : 1010200687

Chamber of Commerce Memb.No.: 149588

Industrial License No. : (1639/5)

Name of Owner : Engr. Mohammad Salman

: Mr. Ayman Tuwaijri

Bankers : Saudi Fransi Bank

Saudi American Bank

National Commercial Bank Al Rajhi Banking & Inv. Corp.

Saudi British Bank

Riyadh Bank

Nature of Business : Design, Engineering, Production, Supply

& Installation of Structural &

Architectural, Metal, Aluminum, Glass

and Wood Works

Contact Person : Engr. Mohammad Salman

General Manager Mobile: 050 646 0411

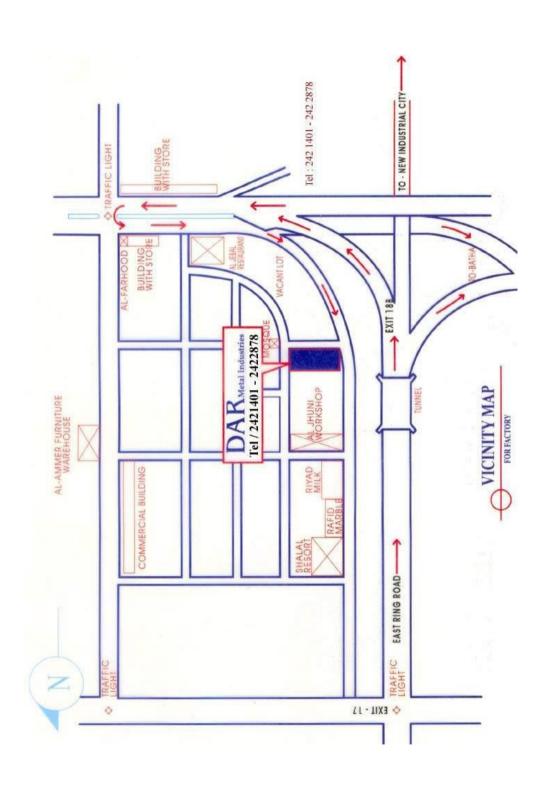
Email: gm@darmetal.com.sa

Website: www.darmetal.com.sa - E-mail: info@darmetal.com.sa





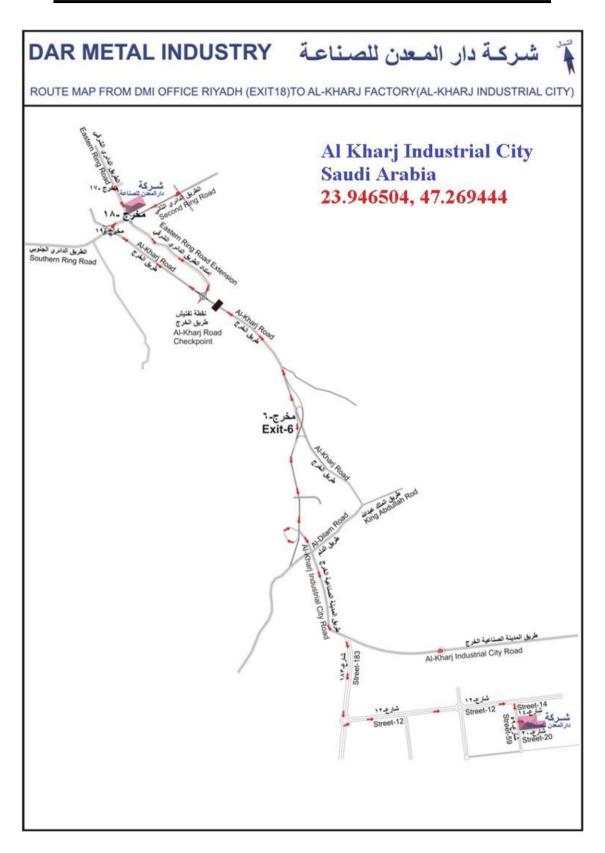
LOCATION: OFFICE - RIYADH





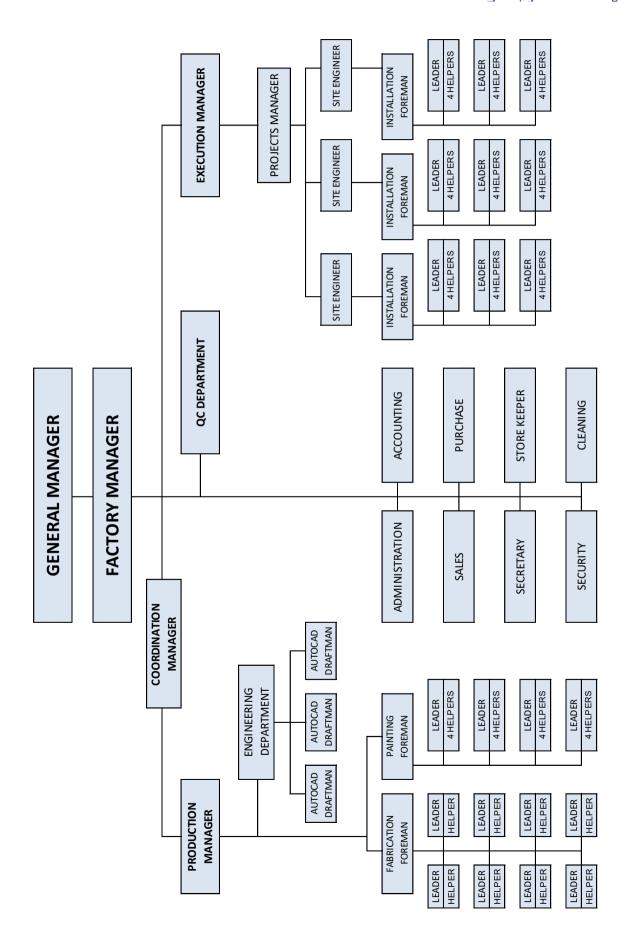


LOCATION: FACTORY - AL KHARJ













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.





VISION		in corio	KINGDOM OF	
*	×	وزارة التجارة	Ministry of Commerce	شمادة تسحيل فرع الشركة
	1.1.7.7.334	الرقم	التاريخ	

	مدير السجل التجاري للشركات: التوقيع:	عبد المعمن بيز ايراهيم العماد
وتنتهى صلاحية الشهادة في: ١٨٨٨/١/٢٤ هـبموجب الإيد	بموجب الإيصال رقم: ١٠٨٠،١٢٠٧ وتاريخ: ٢٢/٠١/٢١٤ هـ);; 4
يشهد مكتب السجل التجاري بمدينة الرياض	يأنه تم تسجيل فرع الشركة المذكورة أعلاه بمدينة الإياض	الرياض
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الدنسر 6 أمريكي	تاريخ الميلاد:	مكان المبلاد:
اسـم المحيــر (ربــاعيـا): همعد محمود سلمان		
النساط للاطلاع على بيانات الأنشطة الرجاء مسح الرمز التجاري		
ص ب:		
الما وان الرياض / هي السلى صناعيه الفوزان مخرج (١١٨) .		
الدسم التجاري مصنع شركة دار المعن للصناعة		
رقم سجل المركز الرئيسي. ٢١٠٠٢٠١١٠١	تاریده ۱۰۲۰۱۸۰۰۰ هـ	مصدره الغرج
ص ب:هائور البريدي:هائف:		
مركزها الرئيسي الغرج المدينة الصناعية الثالثة مدن	надания спинатараманна принцараманна принца при	понциничности отпення применення применення по
نوعها: قات مسئولية محدودة مختلطة	رأسمالها: ٢٠٠٠٠٠ ريال سعودي	
اسم الشركة. مصنع شركة دار المعن للصناعة		

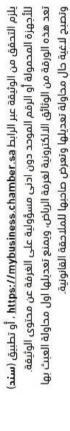




Membership Certificate شهادة اشتراك



Membership No.:	149588	149588	رقم العضوية الموحد :
Date of Issue:	10/08/2004	2004/08/10	تاريخ الاصدار:
Membership Class:	First	الاولى	درجة العصوبة :
Riyadh Chamber Certifies		10	تشهد الغرفة التجارية الصناعية بالرياض بأن
DAR ALMA'ADN INDUSTRY CO			شركة دار المعدن للصناعة
Commercial Registration No.	1010200687	1010200687	مقيدة بالسجل التجاري / الترخيص رقم :
Certificate Expires on	10/06/2022	2022/06/10	ينتهي سريان هذه الشهادة في









الرقم الموحد

(7001440705)



تاريخ الطباعة 1442/07/13 هـ وزير الاستثمار

له بن عبرالعزيز الفالح

162110:صناعة صفائح من قشرة الخشب الرقيقة (الأبلكاش)

162120:مناعة الخشب المقوى (المضغوط) 162231:مناعة السلالم والدرابزينات 162233 شرائح أرضيات الباركيه

161011:نشر وتقطيع الخشب الخام

4 - 1

يمكنك التحتق من صحة بخلاحية الشهادة عبر زيارة الرابكة https://eservices.sagia.gov.sa/verify

ترخيص استثمار صناعي Industrial Investment License

رقم المنشأة رقم الترخيص 1423/09/21 p 2002/11/26 تاريخ الإصدار تاريخ الإنتها، 1442/11/10 p 2021/06/20 (101030094001) (698659)

المركز الرئيسي

حالة الترخيص:

تعديل

اسم الترخيص

مصنع شركة دار المعدن للصناعة

}. }.	الموقع الخر	£8 Ĵ.	اسم صاحب/ أصحاب الترخيص ايمن نجم عبدالك التويم	البند الجمركي المنتج درابزي مناجر (13080000 مناجر (15000000000000000000000000000000000000
	ผ	ن.ب 250183 الرمز البريدي 1391	اهم صاحب/ أصحاب الترخيص ايمن نجم عبدالله التويجري	المغتج درابزینات واسوار حصایة هناجر ومستودعات حدیدیة خزانات وحاویات صلب لایصدی
; ; ;	عدد العمالة (750 فرد)	11391	رقم المستثمر الجنسية المملكة العربية العربية	الكمية 15000 60000 500
			الحمة 15%	
	إجمالي التمو	الهاتف	اسم صاحب/ أصحاب الترخين محمد مجمود سلمان	البند الجمركي المنتج 73083000 ابواب 76101090 بيون ج
	إجمالي التمويل (000,000,3) ريال	الهاتف 6070706	خاب الترخيص مان	المغتج ابواب وشبابيك حديدية ابواب ونوافغ وواجهات بيوت جاهزة حديدية
	المقوردي	الفاكس		الكمية 4 مزخرفة 7000 3 المنيوم 15000
		+966112420958	ر الجنسية الولايات المتحدة الأمريكية	
			الحصة 85%	الوحدة طن وحدة وحدة





عنه ابراهيم بن صالح السويل تاريخ التوقيع : 442/07/13





رقم المنشأة

الرقم الموحد

(7001440705)



تاريخ الطباعة 1442/07/13 هـ وزير الاستثمار

له بن عبوالعزيز الفالح

يمكنك التحقق من صحة وهلاحية الشهادة عبر زيارة الرابك

eservices.sagia.gov.sa/verify ملى موقع وزارة المستثمار.

ترخيص استثمار صناعي Industrial Investment License

المركز الرئيسي

حالة الترخيص: تعديل

102793

تاريخ الإصدار 1423/09/21 p 2002/11/26

تاريخ الإنتها، 1442/11/10

(101030094001) (698659)

م 2021/06/20

رقم الترخيص

_	الكي	الموقع	j. g.	240
اسم الترخيص	الكيان القانوني	قع الخرج	250183	162240:أعمال الديكور الخشبي
مصنع شركة دار المعدن للصناعة	شركة ذات مسؤولية محدودة	الصوقع الخرج عدد العمالة (750 فرد) إجمالي التعويل	ى.ب 250183 الرمز البريدي 11391	الخشبي
		إجمالي التمويل	الهاتف 	

(5,000,000) ريال سعودي

+966593470706

الفاكس

+966112420958

162250:أعمال ورش النجارة بشكل عام

251111 مناعة الهياكل المعدنية وأجزائها للجسور والأبراج

251151:ورش الحدادة

251113 صناعة الروافد وأجزائها

251155:مناعة وتركيب السلالم 1551156 مناعة وتركيب المظلات 18/160 صناعة الألمنيوم

251154 مناعة وتركيب النوافذ والأبواب

فرع مصنع شركة دار المعدن للصناعة مقر إداري 251210 مناعة الصهاريج والخزانات نوع الغرع لرياة المدينة رقم الفرع 637018 ā لفرع

نوع الغرع

المدينة

رقم الفرع

اسم الفرع



عنه ابراهيم بن صالح السويل تاريخ التوقيع : 1442/07/13







رقم المنشأة رقم الترخيص تاريخ الإصدار 1423/09/21 p 2002/11/26

> تاريخ الإنتها، 1442/11/10 p 2021/06/20

ترخيص استثمار صناعي Industrial Investment License

(101030094001) (608659)

الرقم الموحد

(7001440705)

الموقع

لرياة

عدد العمالة

(500 فرد)

إجمالي التمويل (5,000,000) ريال سعودي

حالة الترخيص: تعديل اسم الترخيش الكيان القانوني

> فرع مصنع شركة دار المعدن للصناعة شركة ذات مسؤولية محدودة

الفرع (421483)

102793

j.

الرمز البريدي

اسم صاحب/ أصحاب الترخيص

رقم المستثمر 608658

> الحصة 15%

اسم صاحب/ أصحاب الترخيص محمد محمود سلمان

رقم المستثمر 610371

الجنسية الولايات المتحدة الأمريكيا

الحصة 85%

الماتف

9961

الفاكس

996+

العربية الجنستة المملكة 11mag c n i

ايمن نجم عبدالك التويجري

البند الجمركي المنتج

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خشب متعاكس "ابلكاج" وخشب مصفح 10000

منتجات خشبية متنوعة

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البند الجمركي المنتج

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ألواج الأرضيات المجمعة

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"ملبس"

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متر مربع

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متر مربح

أعمدة وعوارض

خشب (للأرضيات "الباركية")

10000

10000

متر مربع

الوحدة متر مربع العمانية وأجزانها للجسور والأبراج 1511139:مناعة الرواف وأجزانها 2511511وش الحدادة 251161 اعناعة وتركيب النوافة والأبواب 2511151ا

وتركيب الصلام (15125:صناعة وتركيب المظلات (15150و) مناعة الألمنيوم (15125)صناعة الصهاريج والخزانات



تاريخ الطباعة 1442/07/13 هـ وزير الاستثمار

4 - 3 يمكنك التحقق من صحة وهلاحية الشهادة عبر زيارة الرابع https://eservices.sagia.gov.sa/verify. موقع وزارة المستثمار. له بن عبوالعزيز الفالح

عنه ابراهيم بن صالح السويل تاريخ التوقيع : 1442/07/13

1

وزارة الاستثمار Ministry of Investment





رقم المنشأة رقم الترخيص تاريخ الإصدار 1423/09/21 p 2002/11/26

الرقم الموحد

(7001440705)

الموقع

الخرج

عدد العمالة

(500 فرد)

إجمالي التمويل (5,000,000) ريال سعودي

حالة الترخيص: تعديل اسم الترخيش الكيان القانوني

> فرع مصنع شركة دار المعدن للصناعة شركة ذات مسؤولية محدودة

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11391

الرمز البريدي 250183

اسم صاحب/ أصحاب الترخيص ايمن نجم عبدالك التويجري

رقم المستثمر 608658

> الحصة 15%

اسم صاحب/ أصحاب الترخيص محمد محمود سلمان

رقم المستثمر 610371

الجنستة الولايات المتحدة الأمريكيا

الحصة 85%

الماتف

+966544410001

الفاكس

+966112420958

العربية المملكة 11mag c n i البند الجمركي المنتج

44120000

خشب متعاكس "ابلكاج" وخشب مصفح 10000

منتجات خشبية متنوعة

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وحذة متر مربع

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البند الجمركي المنتج

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ألواج الأرضيات المجمعة

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"ملبس"

161111 المُقتطيع الخشب الخام (121101) مناعة مضانج من قشرة الخشب الرقيقة (الأبلكاش) 151111:مناعة الخشب العقوص (المضغوط) 2511111مناعة السلالم والدرابزينات (162233:مناعة شرائح أرفيات الباركيه (162240) المعيرة الغشبي (162250):أعمال ورش النجارة بشكل عام (1111) الهياكل العمانية وأجزانها للجسور والأبراج 1511139:مناعة الرواف وأجزانها 2511511وش الحدادة 251161 اعناعة وتركيب النوافة والأبواب 2511151ا

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متر مربح

أعمدة وعوارض خشب (للأرضيات

"الباركية")

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متر مربع

الوحدة متر مربع وتركيب الصلام (15125:صناعة وتركيب المظلات (15150و) مناعة الألمنيوم (15125)صناعة الصهاريج والخزانات



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4 - 4 تاريخ الطباعة 1442/07/13 هـ وزير الاستثمار يمكنك التحقق من صحة وهلاحية الشهادة عبر زيارة الرابع https://eservices.sagia.gov.sa/verify. موقع وزارة المستثمار. عبدالعزيز الفالح

تاريخ الإنتها، 1442/11/10 p 2021/06/20

(101030094001) (608659)

الفرع (372676)

ترخيص استثمار صناعي Industrial Investment License









عنه ابراهيم بن صالح السويل تاريخ التوقيع : 1442/07/13

1







CERTIFICATION

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





Trading name of SN Pagistrary (Holdings) I to







CERTIFICATION

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

ISO 45001:2018

This certificate is valid for the following scope of operations:

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

Authorised by:

Munte

Stan Wright Director

Date of Certificate Issue: 03 February 2021 Certificate Valid Until: 02 February 2024

Recertification audit before 03 January 2024. Certified since 03 February 2021.

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: 003

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











تاريخ الإصدار: 2020/06/30 الرقم المميز: 3000470698





شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد الهيئة العامة للزكاة والدخل بأن المكلف أدناه مسجل فى ضريبة القيمة المضافة

Hereby, The General Authority of Zakat & Tax (GAZT) certifies that the taxpayer below is VAT registered on

Taxpayer Name: شركه دار المعدن للصناعه شركه دار المعدن الصناعة

رقم التسجيل الضريبي: 300047069800003 vat Registration Number:

تاريخ نفاذ التسجيل: Effective Registration Date: 2020/10/01



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ الغرامات المستحقة

> هذه الوثيقة مرسلة من النظام الآلي ولا تحتاج إلى توقيع - الميئة العامة للزكاة والدخل -







تاريخ الإصدار: 2020/06/30 الرقم المميز: 3000470698



General Authority of Zakat & Tax



Taxpayer Name: شركه دار المعدن للصناعه شركه دار المعدن الصناعة

رقم السجل/الرخصة/العقد: CR / License / Contract No.: 1010200687

Tax Period: Monthly-شهري الفترة الضريبية:

تاريخ استحقاق أول إقرار ضريبي: 2018/02/28 تاريخ استحقاق أول إقرار ضريبي:



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ الغرامات المستحقة

> هذه الوثيقة مرسـلة من النظام الآلي ولا تحتاج إلى توقيع – الميئة العامة للزكاة والدخل –





رقم الشهادة : ۱۱۱۰۷۰۷۱۱ التاريخ : ۱٤٤۲/۰۹/۰۳ هـ الرقم المميز : ۲۰۰۰٬۵۷۸ ۳۰۰۰۳



المملكة العربية السعودية الهيثة العامة للزكاة والدخل General Authority of Zakat & Tax



تشهد الهيئة العامة للزكاة والدخل بأن المكلف / شركه دار المعدن للصناعه شركة رقم ۷۰۰۱۶٤۰۷۰۵ وسجل تجاري رقم ۱۰۱۰۲۰۰۸۸۷ رخصة رقم ۱۰۱۳۰۰۹۶۰۰۱ قدم إقراره عن الفترة المنتهيه في ۲۰۲۰/۱۲/۳۱

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

> يسري مفعول هذه الشهادة حتى تاريخ ۱۶۳۳٬۰۹/۲۹ هـ الموافق ۲۰۲۲/۰۶/۳۰ م. (التاسع و العشرون من رمضان ألف و أربعمائة و ثلاثة و أربعون هجرى)

> > الغروع (٢) في النموذج المرفق

المُيئَة العامة للزفاة والدخل GENERAL AUTHORITY OF ZAKAT & TAX الشمادات

الختم الرسمي







التاريخ ١٤٤٣/٠١/٠٢ الموافق ٢٠٢١/٠٨/١٠ رمز الشهادة ٣٤٣٢٦١٣٦

شهادة

إسم المنشأة : مصنع شركة دار المعدن للصناعة

الخرج السعودية

رقم الإشتراك : ٩٧١١٢٤٦٧

رقم السجل التجاري: ١٠١١٠٢٤٥٤٣

مصدره : الخرج

 رقما
 کتابة

 عدد المشتر كين السعو ديين
 ٦٧
 سبعة وستون مشتر كا

 عدد المشتر كين غير السعو ديين
 ٢٥٩
 مأتان وتسعة وخمسون مشتر كا

 المجموع
 ٣٢٦
 ثلاثمائة وستة و عشرون مشتر كا

تشهد المؤسسة العامة للتأمينات الإجتماعية بأن المنشأة المذكورة أعلاه قد أوفت بالتزاماتها تجاه المؤسسة وفق البيانات المقدمة منها حتى تاريخ إصدار هذه الشهادة ، والتي تم منحها لتقديمها لأية جهة تطلبها ، وهي صالحة لجميع الأغراض التي نص عليها نظام التأمينات الإجتماعية في المادة (٦١٩) منه.

هذه الشهادة سارية المفعول حتى ١٤٤٣/٠٢/٠١ هـ.

يلزم التحقق من صحة وصلاحية 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 الصلاحية ولا تحتاج إلى توقيع أو ختم)









تعد هذه الشهادة من الوثانق الالكترونية الحكومية الرسمية ، ويحظر قطعيا تقليدها أو إنخال أي تعديلات عليها سواء بالإضافة أو الحذف أو التغيير في بهانشها أو غير ذلك من انواع التعديل ، وتعد الشهادة لاغية إذا شابها شيء من ذلك ، كما تعرض صاحبها الملاحقة النظامية أمام الجهات المختصة بالإضافة إلى مايفرضته نظام التأمينات الاجتماعية من عقوبات ، ولايجوز تداول الشهادة إلا في الأغراض التي أصدرت لأجلها وفقا لأحكام نظام التأمينات الاجتماعية ، والمؤسسة العامة للتأمينات الاجتماعية غير مسؤوله عن أي اثار أخرى مترتبة قبل الغير عن الشهادة وغير مسؤولة عن أي عملية تزوير أو تعديل تتم على البياتات الواردة فيها .









شهادة سعودة

تاريخ الإصدار : ٦./١١/١٢

تاريخ صلاحية الشهادة : ۱٤٤٣/،۲/.۹ رقم الشهادة : ۳۲۸، .۲، ۲۱، ۲

اسم المنشأة: مصنع شركة دار المعدن للصناعة

رقم الملف: I**-0M**731

سجل تجاري: ۱۰۱،۲۰۰،۱۰۱

الصادر من: **الرياض**

تشهد وزارة <mark>العمل والتنمية</mark> الاجتماعية بأن المنشأة المذكورة أعلاه حققت نسب التوطين المطلوبة منها.. وتم منحها هذهر الشهادة حسب طلبها

(الشه<mark>ادة معتم</mark>دة من صاحب الصلاحية ولا تحتاج إلى توقيع أو ختم)

ا - يمكن التحقق من صحة وصلاحية الشهادة عبر زيارة الرابط:







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.:

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

Date of Issue:21th April 2011







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.













Type Civil Architectural Date Description		Мо	CLEAN BOARD LOCALD	الصافيتة	Altorath Urius English State S	Λ
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Type Civil		10-Mar-21	Date 10-Mag	Al Shaib For Civil Work Co	MOBCO Mones Moha:	
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Please see attatch Technical Submittal for WOODEN DOORS From M/s DAR-WOOD 1 This is for your kind review and approval. Signature & Supre Received by: Sign	Notes	□ Other			In an in the interest of the i	
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RECEIVED	ure & Stamp:	R.E / Mutater 7-4-2\ Signature & Si	Received by Contractor: Name: من المناسبة المنا	Signature & Stamp		Project Manager : ng.Jamal Hamza ata: 7/04





KAFD Area 1 Cluster-J01 (4.05/5.03/5.04/5.05/5.06)

King Abdullah Financial District King Fahd Rd 11564 Central Region 13519 Riyadh Riyadh Saudi Arabia

حار الرياضن DAR AL RIYADH

MAIL TYPE

Workflow Transmittal

MAIL NUMBER DAR-WTRAN-000611 REFERENCE NUMBER DAR-WTRAN-000611

Final (WF-000289) DAR WF - J01-PQD-Prequalification for Wooden Works for all Parcels (DAR Metal Industries Co) REV-01

From Mr Paul Atkinson - Dar Al Riyadh Engineering & Architecture

To (2) Mr Paul Atkinson - Dar Al Riyadh Engineering & Architecture (+1 more...)

Cc (3) Mr fazal rehman - Jones Lang Lasalle (+2 more...)

Sent Monday, 21 June 2021 3:50:30 PM AST (GMT +03:00)

Status N/A

RECEIVED BY

DOCUMENT ATTACHMENTS (1)

(0 selected)					
File	Document No	Revision	Revision Date	Title	Status
کہ	KAFD-A1-J01-SAB- COM-PQD-00006	01	20/06/2021	J01-PQD-Prequalification for Wooden Works for all Parcels (DAR Metal Industries Co)	B - Approved with Comments

ATTRIBUTES

Attribute 1

ARC - Architect, ELE - Electrical, MEC - Mechanical, MEP - Mechanical & Electrical & Plumbing, SST - Steel Structure, STL - Structural

MESSAGE

Workflow Review History

The attached documents have completed the "DAR WF - J01-PQD-Prequalification for Wooden Works for all Parcels (DAR Metal Industries Co) REV-01" workflow with the following results:

This transmittel was automotically generated

Doc No

Step

Participant

Review Outcome

Comments

KAFD-A1-J01-SAB-COM-PQD-00006

PD

P Atkinson

B - Approved with Comments Please refer to attached

0







☐ information المعلم عنة

Signature

Signature

By completing the form the Contractor certifies that submitted material is compiles with contract specification

Abdullah Jararah

بر مان عماري

Contractor's Material Eng. (مهندس العراد (المثاول

> Contractor's PD/PM مدير المقبران (المقاول)

تم انتقديم كارض

Approval Mais Y

عيدالله جرارعه Name: هيدالله

Name : Burhan Ammari

Submitted for

النوقيع

الترقع

التسبق Coordination

~ outh











mittal Number:	HAD2-SU	B-361-R1		Submission Date	:	15/03/	2021		
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re-Qualification Subm	ittal-DAR M			for Wood	len Doors &	Frames)		Section 0821 & Frames	0-Wood Doors	
.) Letter of Compliance										
.) Company Profile				_				BOQ Nos. Di Windows	v. 08 Doors &	
.) Official Documents	and Cortific	ates		1	STC	on		8.2 Wooden	Doors	
.) Consultant Approva			/	Admi	nistrations uilding	1				
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SPECIFICATIONS								1	1	#
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						Am	6,		Tarek Safi Al-	Deen- PM
SM COMMENTS:						Am	6,		Tarek Safi Al-	Deen- PM
No objection	n for pr	requalit	ication of	DAR	METAL	Am	6,	Pr =	Tarek Safi Al-	Deen- PM
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T TOMA	D-ENTI		ONTRACT							
Submittal	No.	P-ID-AF-00-004		Rev		00		Date (07/03/2021	
Submittal	Title	Wooden and Steel	Doors For Pu	blic area	1					
Discipline		Architectural	Civil	☐ Me	chanical	☐ Elect	rical	Interior Design	1	
Category	Category Calculation Material Document Others (Specify) PRE QUALIFICATION									
We are ser	We are sending here with under separate cover the Calculation /Documents/Samples listed below.									
Item No.	DOC, SPECS, BOQ REF. Description Format Copies									
1	Dar Metal Industries Co. P.O. BOX 341904 Riyadh 11333 Wooden and Steel Doors For Public area Wooden and Steel Doors For Public area Wooden and Steel Doors For Public area								1	
		ocuments / materials sub cations except as otherwis		h have be	en reviewed	l in detail an	d are in stri	ct conformance w	ith the contract	
AL-Latif	ia Engin	eer In charge	Checked &/	Accepted I	By QA/QC	Engineer	Project M		~	
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/	/	1-1-000	Date : 11/03	12021			111/12			

Note: Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the requirements of the Contract. This check is only for texiew of general conformance with the design concept 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 processes and techniques of construction, coordinating his work with that of other trades and performing his work in a safe and satisfactory manner.





4568 Abu. Unit No. 3	COMPANY LIMITED (Regular Anni line Al-Jama's - Al Failla (5 - Ar Regular 1425 - 684) (7 Sault, Aurilia Comm. S. ALIYA LABOR CAMP PROJECT	ALIYA EKECÜTIVE CÖNTRACTING		Submittal No.	is alb	n Jayl Mardi Wardi Rev.
Project No.:	P1019			AECC-P1019-ALC-MAT	-A-0020	0
To:	Project Consultant - AlBwardi		Da	ate:	15-Mar-2021	
	Material / Su	b-Contractor / S	Supplier S	ubmittal		
Submitted for:		ormation				
Discipline: (Civil)	Document N	Material S	Sub-Contracto	or Su	pplier / Manufacture	r
Attachments: Drawings	Sample Catalogue / Mar Procedures Spare Parts Lis		ance Cert. tion Sheet	Manufacturer Data	& Specification	
Copie	Description	Material / Manu	facturer Suppl	ier Sub-contractor	Reference Spe	ecs#
	nittal for Metal Doors	Materia	I Sample & D	Oata Sheet		
detail req relation b	etween frame }	1-Fire Rated Metal I 2- Two sided flash n 3- One Side Flash a	netal door Fra	rchitrive Frame	Reference BC	DQ#
Manufacturer's; Supplier's Data:	Sub-Contractor / Su	pplier		Manufact	urer	
Name:	DAR Metal Industries		DAR Metal In	dustries		
Address:	P.O Box 250183 Riyadh 11391 KSA Tel:	920000242	P.O Box 2501	83 Riyadh 11391 KSA Tel	920000242	
No. of samples Samples Description Remarks:	3 Fire Rated Sample as per attached photo (Frame sa attached with AECC-P1019-ALC-MAT-A-0008 R1 new AECC-P1019-AECC-P1019		be used for:	М	etal Doors	
Copy to:						15-Mar-2021
		Contractor discipling	ne Engineer	Contractor techr For Contractor: (Name / Titl		Date
For Consultant use:	Engineer's	Rep. to enter Action	Codes; Rema	arks and return to Contra		
- This approva	Il conditional with acheivi	gency stairs d	oors .			
Corrections or comments made relative and performing his work in a safe and is only for general review	a to submittals during this review do not relieve the contractor from full comp satisfactory manner and correlating all quantities and conformance with the o	liance with the requirements of the contract' design concept of the project and general co	s documents, dimensions s impliance with the information	electing fabrication processes and techniques of on given in the contract documents. The contract	construction; coordinating his work with tor is responsible for the provided specifi	that of other trades, cations. This check
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		For Engineer's i	ep.			
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4568 Abu. Unit No. 3	COMPANY LIMITED Utherytan Amir the Al-Jerath - Al Fatha 101 - Art Egold - 4224 - 6841 ALIYA LABOR CAMP PROJECT	ALIYA EKEGUTIVE CÖNTƏM التتقيدية للمقاولات		Submittal No.	La casa de	Pev.
Project No.:	P1019		AECC-P1019-ALC-MAT-A-0008			
To:	Project Consultant - AlBwardi			ate:	15-Mar-2021	
300000		b-Contractor	/ Supplier S	Lubmittal	\$140000 (000 (000 (000 (000 (000 (000 (00	
Submitted for:		ormation	7 Supplier C	- Committee		
Discipline: (Civil)		Material	Sub-Contract	or Su	pplier / Manufacture	r
Attachments:	Sample Catalogue / Mar		pliance Cert.	Manufacturer Data		
Drawings	Procedures Spare Parts Lis		ulation Sheet	Others	a opcomodion	
Copie	Description	Material / Ma	nufacturer Supp	lier Sub-contractor	Reference Spe	ecs#
	nittal for Metal Doors	Mate	rial Sample & I	Data Sheet		
Non Fire Rate	d	1-Non Fire Rated	Metal Door Lea			
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and door						
Manufacturer's;					•	
Supplier's Data:	Sub-Contractor / Su	pplier		Manufact	turer	
Name:	DAR Metal Industries		DAR Metal In			
Address:	P.O Box 250183 Riyadh 11391 KSA Tel:	920000242	P.O Box 250	183 Riyadh 11391 KSA Tel	: 920000242	
No. of samples	3					
Samples Description	Metal Door Sample as per attached photo	1	o be used for:	M	etal Doors	
Remarks:						
Copy to:			(te)	He	-	15-Mar-2021
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Reuest No : RFI-WD	-01 RE-2		Date:	20/12/2	2020	Time	: 10:30 AM					
Date Of	Inspection :		Date	: 20/12/2	2020	Time	: 11:30 AM					
Major :		□ CV		AR 🗀	☐ ST	- A	C PL	F.F	□ EL□ 07			
Attachments :		Broo	hure			San	Certif	Spes	Calculati			
Work Statment :												
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			، حمام	عينة باب			7	5				
hereby confirm that the	above mentiond we	orks check	ed and fo	ound as per	project	approved dra	wings & mater	ials specificat	tions			
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شركة مؤنس محمد الشايب للأعمـــال المدنيـــة (مــــوبكـــو) OBCO	i covi	ؤسيسة البيان ا AN FOR EDUCATION ن عبد العزيز فندق ۳۱۲۷			
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850)	New submittal Re- submit of submittal No: ARCH(824) , ARCH(839)	E-CTS#	RECIVED 25 NOV 2020 ENG.AHMED MOSTAFA	Page:		Dealer/ supplier	Architectural Doors	Architectural Doors	Architectural Doors	Architectural Doors	Architectural Doors	Architectural Doors		العراب المراب المعارة المراب المعارة على المراب المعارة المراب المعارة المراب المعارة
Submittal No.SHP3- ARCH – (850) Date:25/11/2020	□ New submittal ✓ Re- submit of submitta	Attachment:	□ Drawings ✓ Catalogue ✓ Sample ✓ Compliance sheet ✓ Others	: item # :		Manufacturer	Dar metal industries	Dar metal industries	Dar metal industries	Dar metal industries	Dar metal industries	Dar metal industries		Contract, Scope of work and Spec
		Submittal type:	Shop Drawings Materials Test Report As Built Drawing Others	BOQ section		Country of Origin	KSA	KSA	KSA	KSA	KSA	KSA	C	Les:
airs	KOVAL)	>		Page:		Orty	ø	9	9	8	-	-	ON O CHINA	COMMENTS & NOTES
Ministry of National Guard - Health Affairs King Abdulaziz Hospital - AlAhsa Project Management Office	(REQUEST FOR SUBMITTAL APPROVAL) Title:STAFF HOUSING COMPLEX PHASE 3		VED ARCH STR/CVL STR/CVL ELEC		Please review the following item(s) and return a copy with your action code	Description Rev.	Technical data sheet for wooden doors	ated		Cooperation contract (Riyadh chamber)	(e)	ple)	Action by (PMO Engineer)	3 / 0 / 2 is
	Ct Title STAF	10.00	- ALNSBAN GR HAMED - ELSA	Section :	view the following iten		Technical data shee	Certificate for fire rated	manufacture profile	Cooperation contract	Veneer door (sample)	Wooden door (sample)	Action Code	A= Approved as submitted B= Approved as Noted C= Resubmit as Noted D= Disapproved, Resubmit E= For Information Approved by Engr. Waseem AlAlawi PMO Manager-AlAhsa Signature: C 2 (12 / 20 20 NOTE: Approval dose not release riginal: PMO office C.C. PM
K	Project	201	Contractor: Name:- MOI Signature:- Stamp:-	Specification	Please re	Item No.	-	2	က	4	5	9		A= Approv B= Approv B= Approv C= Disappo E= For Int Engr. Was PMO Man Signature: Date Date







Signature:

Transmittal

TRANSMITTAL DETAILS SENDER King Abdullah Financial District KAFD-S2-A1-CJ02-GEN-MCC-TR-0000615 Programme: Transmittal ID: Company: Mobco Issued by: Ghadeer Hassan KAFD-RY-RIA1-PGEN-MCC-DAR-ARC-MAR-00108 Subject: ghadeer.h@mobco-group.com Wooden doors and Frame For Approval 11 November 2020 Purpose Issue date Acknowledge due date: 13 November 2020 Response due date: 25 November 02020 COMMENTS Please Find The Attached MAR Wooden doors and Frame for your Approval RECIPIENTS Recipient name ahmed.albakri@eu.jll.com ahmed.albakri@eu.jll.com graham.miller@daralriyadh.com YES graham.miler@daralnyadh.com jose.gueco@daralriyadh.com YES kafd-dc-j02@daralriyadh.com NO jose.gueco@daralriyadh.com mohammed.aleem@dara.lriyad h.com YES mohammed.aleem@daralriyadh.com paul.buist@eu.jll.com paul.buist@eu.jll.com syed_haseeb@daralriyadh.com YES
syed_muqeem@daralriyadh.co YES
Allan Castillo NO allan.castillo@eu.jll.com ammar ammar jama I ja barulla NO jamal.jabarulla@eu.il.com illmenakafddocumentcontrols NO illmenakafddocumentcontrols@eu.jll.com jllmenakafddocumentcontrols lena.albabtain@eu.il.com maher mansou maher.mansour@eu.jll.com syed.asadullah@daralriyadh.com Syed Asadullah tarik enhas tarik.enhas@daralriyadh.com Rev Date Description 11/11/20 Wooden doors and Frame M NO. IDOC NUMBER
KAFD-RY-RIA1-PGEN-MCC-DAR-ARC-MAR-00108 Review Code REFERENCES Reference Of File path GENERAL INFORAMTION Discipline Document Type LTR Hard Copy Received 13 14 15
Hard Copy
Soft Copy (CD/DAD) MEP PCM DWG Tech.Doc MOM RPT RSK QMS Hard Cop ed BRECEIVED COM Name: Title: 0 SHM 1 2 NOV 2020 Signature Othe FOR RECIPIENT/REVIEWER USE ONLY Review Status Approved-A No Objection-D Incomplete Doo No Objection with Comment-E Accepted for Construction Objection-C No Review Required Accepted As-Built Review Status ReFor to Stack Comment Reet & Riversal Reviewed By: Granam Miller Project Sirector - DAR KAFD Name Title:

Signature



Employer's Name:











Material Approval Request (MAR) Ref. No.: KAFD-RY-RIA1-PGEN-MCC-DAR-ARC-MAR-Request Date: 11-11-2020 00108 Project No.: General Supervision Consultant: DAR AL RIYADH Contractor: MOBCO **Proposed Material Details (prepared by Contractor)** Contractor is responsible for providing sufficient information to allow the SSC to make a decision on suitability of proposed materials Civil Structural Architectural X Mechanical Electrical Plumbing **HVAC** Lifts Utilities Other П **Manufacturer Details Material/Product Details** Name: DAR Metal Product Name: Wooden Doors Address: KSA Description: Wooden doors and Frame Email: BoQ Item no.: Division 8 plier/ DAR Metal Purpose/ Use : **Material/ Product Technical Requirements** rechnical Approval no.: Attachment 1 ref. : Data sheet Specification no.: 08211 Attachment 2 ref. : Sample Attachment 3 ref. : Compliance sheet Alternative Spec. (if any): Attachment 4 ref. : Method Of Statement Submitted by (Name): Eng. Abdullah Samer Submitted by (Signature): Site Supervision Consultant Review Commets (include attachment if necessary): Refer to Starles XS (ammers & Rugery) Does the proposed material meet the contract requirements for the proposed use and location? Approved ☐ Approved Subject to Comments 🗹 Insufficient Information \Box Rejected Is Employer approval required? No □ Yes □ SSC Engineer's Name: SSC Engineer's Signature: Date: TOXILLA PM/CM Review (where required) mmnets (include attachment if necessary): PM/CM Engineer's Signature: PM/CM Engineer's Name: Date: **Employer Approval (where required)** Is Employer approval required? Yes □ No 🗆

Employer's Signature:

Date:







■ 4568 A Unit N	A COMPANY LIMITED Int (Bagida April in Al-Israni - Al-Israha S. Sid - A (Egond 1-224 - 684) Int (S. S. S	ALYA ECECUTIVE CONTRACTING COM	ANY Juli	ALJ	JEC. AZIRAH ENGINEERS & CONSL	ILTANTS
Project Name:	ALIYA LABOR CAMP PROJECT			Submittal No.		Rev.
Project No.:	P1019	-		AECC-P1019-ALC-PRI	E-A-0015	0
То:	Project Consultant - AJEC		Da	ate:	7-Sep-2020	
	Material / Su	b-Contractor / S	Supplier S	ubmittal		
Submitted for:	Approval	ormation				
Discipline: Architectu	re Document N	/laterial S	Sub-Contract	or Su	pplier / Manufacture	r
Attachments: Drawings	Sample Catalogue / Mar		ance Cert. tion Sheet	Manufacturer Data Others (Company I	0 (0)	
Copie	Description	Material / Manu	facturer Suppl	lier Sub-contractor	Reference Spo	ecs#
	n for Metal Railings					
					Reference BC	PQ#
Manufacturer's; Supplier's Data:	Sub-Contractor / Su	pplier		Manufac	turer	
			DAR Metal I P.O Box 250	industries 0183 Riyadh 11391 KSA	A Tel: 920000242	
No. of samples						
Samples Description		То	be used for:	Me	etal Railings	
Remarks:						
Copy to:				1		7-Sep-2020
		Contractor disciplin	e Engineer	Contractor techi For Contractor: (Name / Tit		Date
For Consultant use	: Engineer's	Rep. to enter Action	Codes; Rema	arks and return to Contra		
	o manufacturer suplier are a tal railings	approved as per	project re	equirement		
and performing his work in a safe as	tive to submittals during this review do not relieve the contractor from full compi d ealisfactory manner and correlating all quantities and conformance with the o	lance with the requirements of the contract's design concept of the project and general co	documents, dimensions simpliance with the information	electing fabrication processes and techniques on given in the contract documents. The contra	f construction; coordinating his work with a	that of other trades, cations. This check
Action A	=	APPROVED AS NOTED	С	REVISE AND RESUBMIT		
		For Engineer's r	ер.			
Copy to:		Postylkk		14-09-Z	D	
0110178 07101	"Architecture": ME "Mechanical": El "Electrical": DO	Discipline Engineer		Date:		







الجمارك السعودية SAUDI CUSTOMS

ISULYING ENGINEERS شركة المهندسون الاستثناريون وشريكه للإستشارات الهندسية

		2	وسريك للإستارات		
الركاب ومبنى جديد لحرس الحدود بمنفذ الحديثة المشروع	إنشاء جمرك جديد للركاب ومبنى جديد لحرس الحدود بمنفذ الحديثة				
Client الجمارك العامة الجمارك العامة	مصلحة الجمارك العامة				
ون الاستشاريون وشريكه للإستشارات الهندسية الاستشاريون وشريكه للإستشارات الهندسية	شركة المهندسون الاستشاريون وشريكه للإستشارات الهندسية				
شركة ايه بي في روك جروب المقاول	شركة ايه بي في روك جروب				
	To . 1 di	ـ الدرّ ،			
SUPPLIERS SUBMITTAL FORM	Attention عنایة	دير المشروع ــمصلحة الجمارك	•		
نموذج تقديم موردين	From OA	مدير المشروع المقاول			
تمودع تعديم موردين	Submittal Number رقم التقنيم	HAD1-SUB-352			
	Submission Date تاریخ التقدیم	13 / 5/2020			

			سيم	(2)3	
Discipline	التخصص	مدني/إنشائي .Civil/Str	معماري Architectural	کهرباء Electrical	میکاتیکا Mechanical
Material Description وصف المواد				ل المعدنية	موردين لأبواب الحديد والأعماا
		_			
Company/Manu نّع / الشركة					شركة دار المعدن للصناعه
Local Agent / الوكيل المحلي	Brand/ الماركة)	,e		DAR METAL
Material Av المواد		□ مطي Local ██ مستورد Imported	Status of Material حالة المواد	■ Specified ⊆	مطابقة للمواصفاه مواد بديلة
Expected date of لوصول المواد إلى يوقع	القاريخ المتوقع	1/10/2020	Material required on site as Project Schedule ثح ضرورة توافر المواد في الموقع حسب الجدول الزمني	/ /20	
BOQ Referen لجداول الكميات			Drawing Reference Num رقم العرجع للمخططات	ber	
Specification ع للمواصفات		05500/ 08100	Standards (BS DIN, AST SASO) يير المتبعة للمواصفات		
Enclosures	Sample عينة	Catalogue/Technical Da کتالوج / معلومات تقلیهٔ	ta List of Supplie قائمة الموردين	rs 🔲 Comparison Sh مقارنة	neet Product Verification معلومات النحق من المنتج
المحتويات	□Other (Spe	ecify)			غير ذلك (حدد)
Submitted for	تم التقديم لغرض	Approval الاعتماد	مية Information	🗆 للمعلو	التنسيق Coordination
9	By completing	the form the Contractor certif مقدمة تتوافق مع مواصفات العقد	ies that submitted materia النموذج ، يقر المقاول أن المواد ال		t specification.
Contractor's N واد (المقاول)		عبدالله جرارعه : Name	Abduilah Jararah	PARTY STATE OF THE PARTY STATE O	Signature Inches
Contractor' وع (المقاول)		برهان العماري Name:	Burhan Ammari	JOINT PR	S PACES DIVISION
SAC-EQO-TP-	000010_Rev 000	0		بثة العدودي	العدر







Submittal Number:

HAD1-SUB-352



Submission Date:



13 / 5 / 2020 For Consultant's Use Only الاستخدام الاستخدام الاستخدام Received By تم استلامه من قبل م/ محمد الدرة تاريخ الاستائم 20 120 مرا 23 Received Date Consultant's Comments ملاحظات الاستثناري Approved as noted revise and resubmit a clear copy ☐ Approved ☐ Revise and Resubmit موافقة مع ملاحظات ، تلافي الملاحظات وتقديم نسخة جديدة مراجعة وإعادة تقديم ☐ Received for Information ☐ Rejected مر فوض

Custom Engineer Comments

التاريخ: م 20/ 5 م / Date: 16 م / Date: 16 م

Name:

الجمارك السعودية SAC □

These documents have been reviewed for general conformity with Contract terms & conditions, the specifications and bill of quantities. Such review doesn't relieve the Contractor of his responsibilities under the terms of the Contract and shall not be deemed as approval for any further compensation or permission to carry out additional works.

Contractor المقاول

Approved by Consultant's Discipline Engineer

يعتمد من مهندس القعم للاستشاري

التوقيع

ملاحظة: تمت مراجعة هذه المعتندات للتوافق العام مع شروط وأحكام العقد والمواصفات وجداول الكميات. هذه المراجعة لا تعلى المقاول من مسؤولياته التعاتنية بموجب شروط العقد ولا تعتبر مرافقة طي أي تعريض إضافي أو إذن التغيد أصال إضافية.

Approved by Consultant's QA/QC Manager

يعتمد من مدير ضمان ومراقبة الجودة للاستشاري

التوقيع

إدارة المشاريع EPMO

نسخة إلى Distribution Copy to

Name:

Signature

التاريخ: 20 20 /20 مراكل Date:

وزارة المالية MoF



SAC-EQ0-TP-000010_Rev 000



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ABV ROCK GRC'UP روك جروب مسم		السعودية SAUDI	الجمارك customs		يتشاريون	EHAF G ENGINEERS شركة المهندسون الاس
Project Title	يثة اسم المشرو	ركاب ومبثى جديد لحرس الحدود بمتقذ الحد	اتشاء جمرك جديد لل	Proje	ct No.	وشريكه للإمتشارات
Client	-	مصلحة الجمارك الع		Contr	رقم المشرع act No.	1001
Consultant		ون الاستشاريون وشريكه للإستشارات الهند	شركة المهندسو	Proto	رقم العقد type	
Contractor	23	شركة ايه بي ڤي روك جر		Site N	النموذج	
	المقاول المقاول		То		رقم الموقع	
			Attention	Maria Caraca Car	6-2	-
SUPPL	IERS ST	JBMITTAL FORM	From	-	ع - مصلحة ال	
	موردين	نموذج تقديم	Submittal Number	المقاول من	مدير المشروع	
				ظم النة HAD:	1-SUB-340	
	*			:/ 14 تاريخ ا	3/2020	
Discipline	التخصص	☐Civil/Str. منني/إنشائي Archit	Elect معماري ectural	کهرباء rical	ПМес	مېكانيكا nanical
Material D	escription					ranical — — —
المواد				بية	إعمال الخش	موردين للأبواب والا
		1,7	1.01			120
Company/Manu نُع/الشركة			صنع دار المعدن للصناعة ع	24		
Local Agent / الوكيل المطي	Brand/ الماركة		Dar Metal - KSA		×.	
		-				
Company/Ma الركة Name	anufacturer أسم المصنّع / الت					
Local Agent / الوكيل المحلي	/Brand الماركة					
Material A		Local مطي Imported ا	Status of Material	Spec	دنات cified	مطابقة للمواد
المواد Expected date of		مستورد	حالة المواد Material required on site as	□ Alte		مواد بديلة
لوصول المواد إلى موقع	ı)ı	1/6/2020	Project Schedule خ ضرورة توافّر المواد في الموقع حسب الجدول الزمني		/20	-
BOQ Referent لجداول الكميات			Drawing Reference Num رقم المرجع للمخططت	ber		
Specification ع للمواصفات		8220 / 8610	Standards (BS DIN, ASTI SASO) بير المتبعة للمواصفات		so	
Enclosures	Sample عينة	Catalogue/Technical Data کثالوج/ معلومات نقنیة	List of Suppliers C قائمة الموردين	omparison She مقارنة	2020	oduct Verification معلو مات التحقق من ال
المحتويات	□Other (Spe	ecify)				غير ذلك (حدد)
Submitted for	تم التقديم لغرض	Approval الاعتماد	المعلومية Information		Coordination	
	By completing	the form the Contractor certifies that	submitted material is complie	s with contract		
Contractor's M		أن المواد المقدمة نثرافق مع مواصفات العقد Abdu عبدالله جرارعه : Name	تكمل تحبته هذا النمودج ، يعر المعاول ا Signa	THE PROPERTY OF THE PARTY	To a state of	التوقيع
مواد (المقاول) : Contractor روع (المقاول)	PD/PM	Name: برهان العماري Burh	an Ammari Signal	ure JOINT PR		TSION 24 ail
(~, (3)	45			لييثة الحدودي	المالة المالكة المنظمة	مسروعد











Submittal Number:	HAD1-SUB-3	40	Su	omission Date:		14 / 3 /2020	
		For Consultant's	Use Only	الاستشاري فقط	لاستخدام		
Received By تم استلامه من قبل	Ili	ž	م/ محمد الدرة	الإسم:	Received [Date 14 / 03 /20	تاريخ الاستلام مع (
	<u></u>	117/5"	ميناء	المعرن لل	وارا	c (1) "apriz	نومی بانتم ا
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	ع الفايد	را په ۱۲۷۰	ع کرو ما و کرو ما	ے عاد : النورس	ر ار جر ن آمل	المرية الإند	الحطاء إل
Consultant's Comments مالحظات					<i>f</i> /		
							
			/	/_/	/		
				/			/
	☐ Approved موافقة	Approved as n تدرم نسخة جديدة	noted revise الملاحظات و تا	and resubmit ع ملاحظات ، تلافي	a clear cop موافقة مع	y □ Rev تديم	ise and Resubmit مراجعة وإعلاة تا
	Received for Inform نسخة منقحة للمعلومية		Rejected مرفوض				
Арр	roved by Consultant's Disci من مهندس القسم للاستشاري	ا <u>pline Engineer</u> پعتمد ،	10.070	A	pproved by ة للاستشاري	Consultant's QA/QC I م ن مدير ضمان ومراقبة الجود	Manager پعتمد م
Name:	الكولية Date:	17/03/20 20	S	ame:ignature	W	التوقيح Date: 10	الأسم التاريخ: 20 / 3 م
Distribution Copy	contrac السخة إلى Contrac	tor المقاول	□SAC	الجمارك السعودية	DEF	إدارة المشاريع PMO	وزارة المالية MoF
Custom Enginee	er Comments						





الجمارك السعودية saudi customs

ي روك جروب	کة آي بي ف	<u>.</u>	SAUDI	COSTOMS		,	استشاريون	شركة المهندسون الا وشريكه للإستشارات
Project Title	اميم العشر	و ٠٠٠ وحدة سكنية بمنفذ الحديثة	إثشاء				Project No. رقم المشرع	1642
Client	المالك	مصلحة الجمارك العامة					Contract No. رقم العقد	
Consultant	الاستشاره	ين وشريكه للإستشارات الهندسية	ن الاستشاريو	شركة المهندسور			Prototype النموذج	
Contractor	المقاول	شركة ايه بي في روك جروب					Site No. رقم الموقع	
				То		إلى	ع الاستشاري	مدير المشرو
STIPPT		SUBMITTAL FO	NDM	Attention		عناية	لحة الجمارك	مدير المشروع ــ مص
SUITE			NINIAI	From		من	بروع المقاول	مدير المش
	ورد	نموذج تقديم م		Submittal Numb	per	رقم التقديم	HAD2-SU	B-252
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Discipli	ne	F10: 11(0: 112)1/.						
<u> تغمیص</u>		مدني/إنشائي Civil/Str.	Archite	معماري ctural		ئهریاء Electrical	eM□ 2	میکاتیکا echanical
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Company/Manı Name الشركة	ufacturer بم المصنّع /	al .					الصثاعة	شركة دار المعدن ا
		d						شركة دار المعدن ا
الشركة الشركة Local Agent / الوكيل المحلي Material Avai اقر المواد	بم المصنّع / الماركة الماركة lability تو	مطي Local █ معتبرردImported		Status of ا المواد			DA Specified	AR METAL مطابقة للمراصفات ا
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الشركة المركة Local Agent / الركيل المحني / الركيل المحنوال المواد المو	المركة / Brand المركة / Brand المركة / Iability المركة arrival or التريخ التريخ المركة المرك	ا مطي Local المستورد Imported 1/10/2020 1/10/2020 08100 Catalogue/Technical المتورة (Specify)	الزمني Stand	الدواد al required on site ي الموقع حسب البدول Drawing Refere ع للمخططات المخات المخات List of Supp	as per Pro توافر المواد ف وافر المواد ف ence Numb رقم المرج VM, SASO) للمو الأحد الأخر الأخر الأحد الأخر الأ الم الأخر الأخر الأخر الأخر الأخر الأخر الم الم الما الما الما الما الما الما	تاريخ ضرورة per المعليير المتبعة Comparison	DA Specifiec □ Alternati / SASO, ISO, U	AR METAL A chie مطابقة للمراصفات المواصفات ا
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Page 2 of 2





Transmittal



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TRANSMITTAL DETAILS Programme: Transmittal ID: Subject: Purpose: Issue date: Acknowledge due date; Response due date:	King Abdullah Financial Dist KAFD-S2-A1-CJ02-GEN-MCC- KAFD-RY-RIA1-PGEN-MCC-1 for DAR Material Industries S MeariApproval 08 September 2020 08 September 2020 20 September 2020	C-TR-0000352 DAR-ARC-PQD-00024 PQE	SENDER Company: Mobco Issued by: Ghadeer Hassan
COMMENTS			
Dear Sir, Please Find The Attached PQD for D	AR Material Industries Sub-Contractor fo	r wooden work for your Approval	
Regards, Ghadeer		Wooden Work to your Approval.	
RECIPIENTS Recipient name	Response requi comments		Email
ahmed.albakri@eu.jll.com	NO		ahmed.albakri@eu.jl.com
akim.hank@daralriyadh.com graham.miller@daralriyadh.con	YES NO		akim.hank@daralriyadh.com
kafd-dc-j02@daralriyadh.com	NO		graham.miller@daralriyadh.com kafd-doj02@daralriyadh.com
mohammed.aleem@daralriyad h.com	NO		mohammed aleem@daralriyadh.com
robert little@eu.jll.com syed.muqeem@daralriyadh.co	NO NO		robert.little@eu Jl.com
älexander nate	NO NO		syed.muqeem@darairiyadh.com alexander.nate@eu.jl.com
Allan Castillo	NO		allan.castillo@eu.jll.com
ammar ammar jllmenakafddocumentcontrols	NO NO		ammar@mcbco-group.ccm
jllmenakafddocumentcontrols lena albabtain	NO NO		ilmenakafddocumentcontrols@eu.jll.com
osama alghamdi	YES		lena.albabtain@eu.jll.com osama.alghamdi@daralriyadh.com
Syed Asadullah tarik enhas	YES NO		syed.asadullah@daralriyadh.com
yousef alnaji	NO		tarik.enhas@daralriyadh.som yousef.alnaji@eu.jil.com
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Approved-A	No Objection-D		Incomplete Document to Review
Approved with Comment-B	No Objection with	n Comment-E	Accepted for Construction
Objection-C	No Review Requ	ired	Accepted As-Built
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Reviewed By:	to affor	ch /	PAD & OCS





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		Document Sub	mittal Form			
Date:		05/	Sep/20			
Project:		King Abdullah	Financial Distr	ict KAFD		
DISCIPLINE:	Architectural	Structural	Electrical		Mechanical	
	Civil	Other -				
NEW	RE-SUBMITTAL	REVISION D	oc. Ref. No. KAFD-F	RY-RIA1-PGEN-MC	C-DAR-ARC-PQ	D-00024
ITEM NO.		DESCRIPTION		Reference	s Re	ACTION CODE
1	Pre-qualification for "DAR me	tal industries "sub-contractor	for wooden work)
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CONTRACTORS	ENGINEERS					
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Prepared by Eng.:	Mohamed Adel		Signature:	1	Date:	05/Sep/20
Contractor Project	Manager : Eng. Ahmed Khamea	s Mansi	Rovd. by Consultant	's Repve. :		
Signature :		Date : 05/Sep/20	Signature :		Date :	
ENGINEER'S RE	MARKS:					
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Comment by Cons	sultant Eng.:		Signature:		Date:	
Consultant Projec	t Director: Eng. Graham Jos	eph Miller Akim Hank	Rcvd. by Contractor	r's Repve.		
Signature :	1 uni Pro	Pate Minnager - DA	Signature :		Date :	
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2	MAA		-	SAGIA, ISO are attached							
е е	MAA		ব্দে	Previous completed projects, client approval with documented evidences are attached	oval with docum	ented evic	lences are				
4	MAA		-	Final acceptance is subject to Engineer's (JLL) approval.	.) approval.						
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Mohamed Abdul Aleem		QAQC Engineer	Name:	Graham Miller	Name:			Name:		Name:	
-	-		Position:	Project Director	Position:			Position:		Position:	
7	7		Signature:	The same	Signature:			Signature:		Signature:	
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Program:	King Abdullah Fina	ancial District – Area 2	Ref No.:	KAFD-RY-RIA2-F	2402-UEC-ARC	-MAR-05011
Employer:	KAFD DMC		Rev. No.:	01	.02 020 / 11 10	117.11. 00011
Consultant:	Dar Al Handasah		Submittal:	Material	Date:	11/07/2020
Contractor:	United Engineering	g Constructions	Purpose/Use:	For Approval		
		MATERIAL	DESCRIPTION			
Description		val for Wooden Doors a ed & Non-Fire Rated)	t Brand Name:	As per attached	d Technical D	ata Sheet
Material Status:	✓ Specified	Alternative	Contract Ref:	KAFD00207		
Discipline/Trade	Architectural		Specification:			
Parcel No.:	CP03 Buildi		BOQ Ref. No.:			
Attachments: [Production Verificati Third Party Test Rep		Comparison S	heet List of S	uppliers Complia WIR (Mock-up Approved Shop	ance Sheet, Approval) & Drawings)
MA	NUFACTURER	DETAILS		SUPPLIER I	DETAILS	
Company Name:	M/s DAR Metal In		Company Name			
Address:	Riyadh, KSA		Address:	Riyadh, KSA		
		DELIVE	RY DETAILS			
Country of Origin:	KSA		Availability:	✓ Locally Avai	lable I Ir	mported
Date Material Require	d on Site:			te of Arrival on Site		•
For the Contractor:	o above have been review	ved and that they will supply the su	brillied lieros in ray comorni	nty with timely delivery		اد الهندسة الإن
Name: Wali	d Al Hassan	Signature:	Date	: 11/07/20	020 Con	KAFDIP3.0
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						التعليق والملاحظات
	ريخ: 2020-05-19		التوقيع: احمد عاشور		د عاشور عطية	راجع م. احم بواسطة
	ريخ:	ান্য)	التوقيع:			راجع بواسطة
	ليق الموضح	مراققة حسب التعال		دة الإرسال	موافقة يتم التعديل و إعاد	الإجراء
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بر وراره المانية بير المشروع بوزارة الماثية		ممثل الملكة ورازة المالية المهندس المختص بوزارة المالية	ارات	استشاري التنفيذ الديار السعودية لللاستشا	خ	المقاول: شركة غصون الخير للمقاولا
	الأسم:	ועושم:	محمد القرشي	الاسم: مهندس /	ن شحاده	الاسم: مهندس/ ماز
	التوقيع.	الترقيع:	Saudi Diyar Co	التوقيع: ا		التوقيع:
<u>Received</u> 29-4-2020 السعينة الانتشارات الهنسية	شيار د		الم المالية ا	R 	رونية	ملاحظة / نسخة إلكنا



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		Previous approval	\dashv							
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A	Attached	Data Sheet ورقة البيانات		Wooden Di		Wood 5	Skirting	- SK02		
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Checking and approval	ا المرادة الم	the contractor of his obligation	s to per	rform the work in according	rdance with	the contract documents, updated	approvals, re	quirements o	of safety and local	
	Quality Engineer Contractor J			0		oject manager Contracto				
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		Woi	k Inspectio	n Re	quest					
Request Ref.:	KAFD	-RY-RIA2-P402-UEC	-ARC-IRE-06143		Revision	R00	Submissio	on Date:	10-6-	-2020
Project:	King /	Abdullah Financial Dis	trict – Area 2 Building	gs	Inspection	Date:	11-6-	2020	Time	8:30
Client:	KAFD	DMC			Project/Pa	rcel No	.: CP03 / F	4.02		
Consultant:	Dar A	l Handasah			Contracto	r: Unite	d Engineerin	g Constru	ction	
Discipline:										
Survey		Civil 🛛	Architectural	☐ Stru	ictural		☐ Landsca	ре		
MEP		Testing/Commission	ning	☐ HS	=		Others ()
Work Details: Description:				1						
Inspect	cations i	mock up sample f ncluding all requi , R-L3-26, QTY: 1	red <u>works</u> wood							
Approved Metho	d Staten	nent:	KAFD-RY-RIA2-CF	P03-UEC-	ARC-MES-00	018		Sect	ion:	
-			KAFD-RY-RIA2-CF	P03-UEC	ARC-ITP-000	02		Clau	se:	
Approved Drawin	ng No.:		UCH	shairan			d Approved		S	
Location / Level / R Name & No. / Grid		P4.02 /TA, L03,	R-L3-26	O JUN	2020	Attache	d Location d Check Sh d Previous	eet	(if any)	
*	The above	work has been complete	d according to Project re	equiremen	s and specifical	ions and is	s ready for insp	ection*		
Contractor's Rep	resenta	tive:				-		The state of the s	Market Co.	- Sulfaries
Name:	Eng	gr. Walid Al Hassan	Signature:	1	16		Date:	10-6-202	20	
Supervision Con Checks: Site Test Results		s Review:	☐ Passed		□Fa	iled	□ No	ot Applic	able	
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			Signature:	020			Date:	11	6-2	لع
Reviewer Name:	Aur	- Kayal'	Jigilature.	4			Duto.	//-		
PMCM's Review:										被制度
Endorsement:		Yes	□No							
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Comments:										
Poviewer Name:			Signature:				Date:			
Reviewer Name:			Signature.				Date.			

Note: This site inspection does not relieve the contractor from any of his contractual obligations.











Request Ref.:										
Request Ref		Wor	k Inspectio	on Red	quest					
I LUUUUGLI LUII	KAFD-RY-RI	A2-P402-UEC	-ARC-IRE-06142		Revision:	R00	Submissio	n Date:	10-6	-2020
Project:	King Abdulla	h Financial Dis	trict – Area 2 Buildin	ngs	Inspection	Date:	11-6-2	2020	Time	: 8:30
Client:	KAFD DMC				Project/Par	cel No.	: CP03/P4	4.02		
Consultant:	Dar Al Handa	asah			Contractor	: United	d Engineering	Constru	ction	
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			KAFD-RY-RIA2-C	Com Cittil Cti	RECUES CARA DES			Clau		
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			DE	() () () ()	A H Day		d Previous F		(if any)	
		s been complete	d according to Project	requirement	and specificati	ons and is	ready for msp	ection	en syning	a Middle
Contractor's Repre				0			Data	10-6-202	20	
Name:	Engr. Wal	id Al Hassan	Signature:	1.			Date:	10-0-202	.0	
Supervision Const	ultant's Revi	iew:							i sileh	
Checks:					☐ Fai	امط	□Ne	ot Applic	able	
Site Test Results (if			Passed		ved with Co			atus C (tion)
Status of Inspection								Commence of the low		-
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Reviewer Name:	Amer	Mayahi	Signature:	44D S	E BYCK	PUTRE	Date:	II-A	= TN 3	y to

Note: This site inspection does not relieve the contractor from any of his contractual obligations.





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ار ا	RI	H: 1636 - Abha B	Branded Serv	viced Apartmen	ts	
5000				Ref. No.	رقم المرجع	TS-MPJV-TR-091
J.W	قديم فني			Rev No.	رقم التحديث	0
Te Te	echnical Su	bmittal		Date	التاريخ	29-Apr-2020
				Reqd. By	مطلوب من	ARC.
Subject of Submittal:	موضوع التقديم			WOOD DOO	RS	
			01- W	OODEN DOORS TECHNIC	CAL SUBMITAL	
Description of Submittal:	وصف التقديم		02- PROJECT SPE	CIFICATION (LAMITAK L	A01 + LA02)+(ABET	LA03)
Enclosure المرفق:	Method Statement	t طريقة عمل Gu	arantee ضمان	✓ Certificate آماه	Project Qualit	خطة الجودة y Plan خطة الجودة
Enclosure (3) All / (3) Section :	√ Test Results حبارك	نالج إخد	بیانات مواد Data Sheet	اخری Others		
Contractor's Signature	توقيع المقاول	Saied Aatef / PM	RCH.	Date.	التاريخ	20 13 2000/15/15
Consultants's Receiving	توقيع الاستشاري			Date	التاريخ	RECEIVED
Signature	بالاستلام					2 9 APR 2020
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)		
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A Approved	يعتمد		pproved As Noted	يعتمد بملاحظات	100	CI MOBCO · PECSA JV
C Resubmit As Noted	إعادة تقديم	D	Rejected	مرقوض	E	For Record Ulimetel
Consultants's Signature	توقيع الاستشاري			Date	التاريخ	201012
				Ref. No.		
Contractor's Receiving Signature	توقيع المقاول بالاستلام			Date	رقم المرجع التاريخ	
أساسيات التصميم و متطلبات العقد Correction Comments made relati genera	ve to submittals during this	ت العقد و المواصفات. و هذه المراج review do not relieve the co sign concept of the project ar	entractor from compile	ince with contract regulrem	ents and specification	to. This check is only fee regions of





ABV ROCK GR ^{e*} JIP روك جروب	بد جاوب / [شركة أي بي في	السعودية SAUDI	ILEOILE CUSTOMS		EHAF CONSULTING ENGINEERS machine de la			
Project Title	يثة اسم المشرو	ركاب ومبثى جديد لحرس الحدود بمثقذ الحد	إنشاء جمرك جديد لل		Project No.			
Client		مصلحة الجمارك ال	Contract No.					
Consultant		بن الاستشاريون وشريكه للإستشارات الهثد		رقم العقد Prototype				
Contractor	<u> </u>	شركة ايه بي في روك جر	, , ,		النموذج Site No.			
	المقاول المقاول		То		رقم الموقع			
					الى الى			
SUPPL	IERS SU	JBMITTAL FORM	Attention	- 4	مدير المشروع - مصلحة الجمارك			
نموذج تقديم موردين			From		مدير المشروع المقاول من			
	موردين	تمودج تعديم	Submittal Number	التقديم	HAD1 CUD 240			
			Submission Date	خ التقديم	14 /2 /2020			
Discipline	التخصص	Desilies and a						
Discipline	(June 1997)	المدني/إنشائي .Archit المدني/إنشائي .Archit	معماري tectural	□Electric	میکانیکا Mechanical کهرباء اد			
Material D المواد		^^	^		وردين للأبواب والاعمال الخشبية			
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Local Agent / الوكيل المحلي	Brand/ الماركة		Dar Meta	ıl - KSA				
Company/Ma الركة Name	anufacturer أسم المصنّع / النا							
Local Agent / الوكيل المطي	/Brand الماركة							
Material Av		Imported مطي Local ∭ معتورد	Status of M		Specified المواصفات مطابقة للمواصفات			
Expected date of arrival on site التذريخ المتوقع لوصول المواد إلى 1/6/2020			Material required on site as per Project Schedule تاریخ ضرورة تمافر المواد فی الموقع علیہ المواد فی الموقع عسیہ الهدول الرمنی		مو اد بنبلة Alternative مو اد بنبلة			
BOQ Reference لجداول الكميات			Drawing Referen	nce Numbe	er			
Specification ع للمواصفات		8220 / 8610	Standards (BS E SASO) للمواصفات	DIN, ASTM	SASO, ISO			
Enclosures	Sample عينة	□ Catalogue/Technical Data کثاوج / معلومات نقیة	List of Suppliers قائمة الموردين	-	mparison Sheet Product Verification			
المحتويات	□Other (Spe	cify)			غير ذلك (حدد)			
Submitted for	تم التقديم لغرض	Approval الاعتماد	معلومية Information □	اله	عير نسا (حدد)			
	By completing	the form the Contractor certifies that	submitted material is	complies	with contract and if and			
Contractor's M	aterial Eng.	ان المواد المعدمة تتوافق مع مواصفات العقد	ه هذا النموذج ، يقر المقاول ا Ilah Jararah	استکمال تعبثا Signatur	من خلال			
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Submittal Number:	HAD1-SUB-340)	Submissi	on Date:	14 / 3 /2020			
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Name:	- Hay	ityle	- :Name الاسم			الاسم		
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Custom Enginee	er Comments							

Note: These documents have been reviewed for general conformity with Contract terms & conditions, the specifications and bill of quantities. Such review doesn't relieve the Contractor of his responsibilities under the terms of the Contract and shall not be deemed as approval for any further compensation or permission to carry out additional works.

ملاملة. تمت مراجعة فذه المسالدات للتراق العام مع شورط راحكام العقد رالمواصفات وجداول الكميات.







PURCHASE ORDER

Туре	Revision
Order	14618
Revision	1
Delivery Date	May 3, 2020
Created By	Al-Titi, Yazan N.
PO Created Date & Time	March 3, 2020
MR NO	9687

Supplier No: 10965 Supplier Info: Dar Metal Industries

JDE 2001021 Riyadh

300047069810003

Requesting Location: Nakheel Mall Riyadh

L. No. Unit Qty. Unit price **Total** 1 17950 CWH Supply and installation of fire rated wooden double door : dimensions: 2125x1900 mm including door frame as per attach approved sepcs. 2 18069 CWH EA Supply and installation of wooden Single fire rated door: dimensions: 2125x1095 mm including door frame as per approved material specs. 3 18070 CWH Supply and installation of wooden Single fire rated door: dimensions: 2125x987 mm including door frame as per attached approved material specs. 4 18071 CWH EA Supply and installation of wooden Single non-fire rated door: dimensions: 2125x707 mm including door frame as per attached approved material specs. PURCHASE ORDER ACCEPTANCE NOTE: This is a bilateral contract; The supplier must sign and return one copy of the order to the buyer within 3 days to accept the order. By signing this order, the supplier/subcontractor accepts the offer represented by this purchase order, and agree to perform subject to the terms and conditions set forth herein. Agreed By Supplier: Stamp/Sign. Date. Grand Total in SAR

Bill To: Arabian Centres Company,

2919 Northern Ring Rd, An Nakhil, Unit No. 1,

Ar Riyadh 12394 - 7808.

Kingdom of Saudi Arabia.

Payment Terms (Supplier Note): 50% Advance Payment, Balance after Job Completion

Delivery Within 40 Days from Adv. Payment

Wooden Doors - MR#9687 - Nakheel RYD

Al-Titi, Yazan N.







PROJECT: MR. SOUFYAN VILLA - RIYADH
SUBCONTRACT WORKS: SUPPLY AND INSTALLATION OF WOODEN DOORS AND
FRAMES

SUBCONTRACT AGREEMENT

THIS AGREEMENT made the 14th day of March, 2020

BETWEEN

Messrs.

Saudi Constructioneers Ltd

P.O. Box 107

Riyadh 11411, Kingdom of Saudi Arabia Tel. 011-476 5555 Fax. 011- 477 0804 AND

Messrs.

Dar Metal Industries Kingdom of Saudi Arabia

P.O. Box 250183 Riyadh 11391 K.S.A

Mr. Mohammad Salman Mobile: 050-646-0411

E-mail: gm@darmetal.com.sa

(hereinafter called "The First Party")

of the one part

(Hereinafter called "The Second Party")

of the other part

NOW IT IS HEREBY AGREED AS FOLLOWS:

The Second Party herewith agrees to Supply, Delivery and Installation of Wooden Doors and Frames to the 'First Party's job site, as specified and within the agreed time schedule and to the written instruction of the 'First Party' with the following price and conditions.

1. SCOPE OF SUPPLY AND PRICE

The Second Party shall Supply, Delivery and Installation of Wooden Doors and Frames as per approved design drawings and approved sample materials by the client as per attached Bill of Quantity with total amount

- 1.1 The 'Second Party' shall provide the hand tools and other accessories required to his workers to execute the Subcontract Work.
- 1.2 The 'Second Party' shall provide the skilled and sufficient numbers of manpower to execute the work as per the site requirements.
- 1.3 The 'Second Party' has to execute the Subcontract Works in accordance to a good standard, acceptable to the Employer, Consultant and First Party, and the rules and regulations of the Kingdom of Saudi Arabia.
- 1.4 All Works executed by the 'Second Party' which are rejected by the Employer, the Engineer or the 'First Party' due to faulty workmanship, has to be rebuilt by the 'Second Party'. All cost involved as material, labour expenses, transport etc., will be borne by the 'Second Party'.

SAUDI CONSTRUCTIONEERS Lid

CICURVION 1000 0003347 - Paid Capital SR 34 Million - T: +966-11-4765555 - F: +966-11-4770804- P.O. Box 107, Riyadh 11411 Saudi Wabia الرباطة Page 1 of 5

Page 1 of 5

DAR METAL INDUSTRIES





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خطيب وعلمت PECSA Khatib & Alami RH: 1636 - Abha Branded Serviced Apartments طلب تأهيل (Pre-Qualification Request (PQ) Project Name إسم المشروع رقم المشروع Project No Citadines Hotel Project وقت الطلب Req. Time Req. Date تاريخ الطلب 22-Dec-2019 PO-MPJV-ARC-099-REV-01 رقم الطلب Request No اخرى Other تكييف HVAC تكييف PLUM تكييف PLUM معماري Arch ت منني Civil مرفقات Attachments وصف Description Certificates شهدات مر فقات Attachments مرفتات Attachments Catalogue/Brochure کثارج / کتیب Approval for Pre-Qualification of DAR Metal Industries Wooden Division - Work مرفقات Attachments Wooden Doors مرفقات Attachments مدير المشروع مقاول est Manager Contractor Auality Engineer Contractor مهندس الجودة مقاول MOHAMED-ABD ALTWAB التوقيع التوقيع Signature التاريخ Date التاريخ الوظيفة Position 2 4 DEC 2019 التاريخ Consultant Approval & Comments Code (B) Dan Metal industries for the wooder Doons is approved as noted (as an optiona) refer to the attached typed comments عد الاوراق No Of Papers ■ غير مرفق Not Attached المرفقات Attachements إعتماد الاستشاري **Consultant Approval** Approved As Noted معتمد بملاحظات إعادة التقديم Resubmittal مد Approved مدير المشروع - الاستشاري Name الإسم Wissem Herb التوقيع Signature التاريخ Date التاريخ Date 30/12/019 Contractor Receipt Khatib & Alami) التوقيع Signature Position RH163600 الوقت Time Date ction Supervision of Brant in Abha, KSA





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1466W

PURCHASE ORDER

Supplier No: 10965 Supplier Info: Dar Metal Industries

JDE 2001021

Riyadh

Bill To: Arabian Centres Company, 2919 Northern Ring Rd, An Nakhil, Unit No. 1. Ar Riyadh 12394 - 7808.

Kingdom of Saudi Arabia.

VAT ID: 300047485410003

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Supplier VAT ID: 300047069810003 Requesting Location: Nakheel Mall Riyadh L. No. Item Code Unit Qty. Unit price Total Amount CWH SUPPLY AND INSTALLATION OF WOODEN DOOR WITH ACCESSORIES 2 10487 CWH SUPPLY & INSTALLATION OF WOODEN DOORS ON TOILET 3 16633 CWH EA Repair and replace of door frame as per mall standard 4 16634 CWH Repair and replace of door hinges and frames as per mall standard والمعتناناتة 1.1. T. TAY ... DAR METAL INDUSTRIES PURCHASE ORDER ACCEPTANCE NOTE: This is a bilateral contract. The supplier must sign and return one copy of the order to the buyer within 3 days to accept the order. By signing this order, the supplier/subcontractor accepts the offer represented by this purchase order, and agree to perform subject to the terms and conditions set Total VAT Amount Grand Total in SAR Payment Terms (Supplier Note): 100% Advance Payment Delivery Terms: Within 10 Days from Adv. Payment Delivery Remarks: Wooden Doors - MR#7980 - Nakheel RYD Note: Please make sure that your invotes indicates our purchase order number Prepared By: Approved By: Procurement Manager Al-Titi, Yazan N. 67 min 733) Distribution: Supplier / Stores / Accounts / File 1 0 NOV 2019

P.O.Box 341904, Riyadh 11333 - Kingdom of Saudi Arabia - Tcl : +966 11 825 2222 - Fax : +966 825 2323





P#1423W

PURCHASE ORDER

Supplier No: 10965

Supplier Info: Dar Metal Industries

JDE 2001021

Riyadh Supplier VAT ID: 300047069810003 Bill To: Arabian Centres Company, 2919 Northern Ring Rd. An Nakhil, Unit No. 1,

Ar Rivadh 12394 - 7808 Kingdom of Saudi Arabla.

VAT ID: 300047485410003

Туре	Original
Order	12725
Revision	0
Delivery Date	January 31, 2019
Created By	Taruc, James E.
PO Created Date & Time	January 3, 2019
MR NO	5093

Requesting Location: Sahara Plaza

L. No.	Item Code	Org	Unit	Qty.	Unit price	Total Amount

1 13428

CMH EA

Supply and install of modular urban pockets using 80x40 swedish wood as per approved sample and drawings and specs. Dimensions: H2500mm, W 2200mm, L2200mm with oil paints for external use

2 13429

CWR

Supply and install of bench seating using 18mm thick water resistant MDF board with swedish eneer. with H 500 mm with oil paint as per external used.

3 13427

Supply and install of planter box comprising 18mm thick MDF board with decorative solid wood and stainless steel base. I unit 4.5m and 2 units of 2.5m. with blue painted finish as per approved design

CWH

Supply and install of wood floor using 4x4 swedish strip wood with 18mm plywood first layer and wedish wood top layer as per approved sample, drawings and specs. with oil paint as per external used.

PURCHASE ORDER ACCEPTANCE NOTE:

This is a bilateral contract; The supplier must sign and return one copy of the order to the buyer within 3 days to accept the order. By signing this order, the supplier subcontractor accepts the offer represented by this purchase order, and agree to perform subject to the terms and conditions see

Agreed By Suppler

JNN 2013

Date 21 Jan 2019

Total VAT Amount Grand Total in SAR

Payment Terms (Supplier Note): 100%After completion of work&submission of approved invoice with job completion certificate (c

Delivery Terms: Delivery Remarks:

Ongoing works. Municipal sponsorship.

Delivery Remarks: Works to be coordinated with DDD.

Note: Please make sure that your invoice indicates our purchase order number

Prepared By:

Taruc James E

Approved By:

Procurement Manager

Approved By:

Distribution Supplier / Stores / Accounts / Tile 5 JAN 2019

1 5 JAN 2019

P.O.Box 341904, Riyadh 11333 - Kingdom of Saudi Arabia - Tel : +966 11 \$25 2222 - Fax : +966 825 2323

Costine

21/1/2019





بسم الله الرحمن الرحيم

عقد مقاولة تنفيذ أعمال تصنيع وتوريد وتركيب الأبواب الخشبية والاكسسوارات والتغطية الخشبية للحوائط.

بعون الله وتوفيقه في يوم الاثنين بتاريخ 1439/03/09هـ الموافق2017/11/27م تم إبرام هذا العقد في مدينة الرياض بين كل من:

الطرف الأول:

مؤسسة الأميرة العنود الخيرية بموجب السجل التجاري ذي الرقم (1010221289) هاتف 4818877 فاكس 4648997 البريد الإلكتروني (s.aljunaidi@alanood.org.sa) وعنوان مكتبها الرئيسي الرياض ص ب: 66939 مدينة الرياض الرمز البريدي 11586، المملكة العربية السعودية، و يمثّلها في التوقيع على هذا العقد المهندس/ علي بن ناصر العمّاري بصفته نائب الرئيس التنفيذي.

ويشار إليها فيما بعد بكلمة " صاحب العمل"

الطرف الثاني:

شركة دار المعدن للصناعة ، قائمة بموجب أنظمة المملكة العربية السعودية بموجب السجل التجاري ذي الرقم (1010200687) الصادر من الرياض بتاريخ 1425/02/23هـ هاتف (2421401) فاكس (2420958) البريد الإلكتروني (Info@darmetal.com) وعنوان مكتبها الرئيسي الرياض ص ب: 25018 مدينة الرياض الرمز البريدي 11391، المملكة العربية السعودية، ويمثلها في التوقيع على هذا العقد السيد/ محمد محمود سلمان بصفته المدير العام.

يشار إليها فيما بعد بكلمة " المقاول"

حيث إن الطرف الأول "صاحب العمل" يمتلك المبنى الواقع في مدينة الرياض والمسمى برج الأميرة العنود الثَّالثُ السكني " المشروع" حيث يرغب في تنفيذ أعمال تصنيع تركيب الأبواب الخشبية والاكسسوارات والتغطية الخشبية للحوائط، وحيث صرح الطرف الثاني لديه مصنع متخصص في مثل هذه الأعمال وأقر بأن لديه القدرة وسابق الخبرة اللازمة لتصنيع وتركيب الأبواب الخشبية والاكسسوارات والتغطية الخشبية للحوائط وتوريد كافة المواد اللازمة لذلك، فضلاً عن الأشخاص المؤهلين لتنفيذ هذه الأعمال وإتمامها وتسليمها بالشكل المطلوب وصيانتها، وقدم عرضه المالي والفني لتولي هذه المهمة وذلك بعد اطلاعه على شروط العقد ومواصفاته ومخططاته وسائر المستندات المرفقة به ومعاينته لموقع العمل المعاينة النافية للجهالة، وبناء على ماسبق فقد اتفق الطرفان وهما بكامل الأهلية والأوصاف المعتبرة شرعاً ونظاماً وبإيجاب وقبول متطابقين على إبرام هذا العقد وفقاً للشروط والأحكام المبينة فيما يلي :

المادة (1): وثانق العقد:

- يعتبر التمهيد أعلاه والوثائق التالية جزء لا يتجزأ من هذا العقد.
 - مخططات ورسومات وتصاميم الأعمال محل هذا العقد. -2
 - الجدول الزمني لتنفيذ الأعمال. -3
- العرض المالي والفني للمقاول رقم (QTN/DAR-17/00357-R8) وتاريخ 2017/11/25م -4 موضحاً به المواصفات والكميات.

تم إعتماد والتوقيع على الوثائق أعلاه من قبل الطرفين ولا يجوز إضافة وثائق أخرى أو تعديل الوثائق أعلاه إلا بموجب اتفاق خطّى يوقعه الطرفان كما تشكل هذه الوثائق وحده متكاملة وجزء لا يتجزأ من هذا العقد ومتممة

1 من 6

قد نطان دما ع س.ت ۱۰۱۰۲۰۰۹۸۷ DAR METAL INDUSTRIES

+966 114648998 📞 +966 114648997

WWW.alanood.org.sa @

info@alanood.org.sa

66939 Riyadh 11586





مصرف الراجحان Al Rajhi Bank



Our Ref.: ARB/FR/Dar Metal/HQ/L/0382

Tuesday, June 12, 2018

Dar Metal Industries

P.o Box 250183, Riyadh 11391. Tel:- 920000242 - 2421401 - 2422878. Kingdom of Saudi Arabia

Kind Attention:

Mr. Mohammad Salman

General Manager

Project:

Al Rajhi Bank Headquarter Tower

Subject:

Letter of Contract for Al Rajhi Bank Wooden Decorative Louver

Dear Sir,

Al Rajhi Bank (the "Employer") hereby confirms acceptance of your quotation dated 28 May 2018, with subject Al Rajhi Bank - Wooden Decorative Louver - REF No.: QTN/DAR-18/W20054 dated 28-May-2018, for the Wooden Decorative Louver (the "Works") at the ARB HQ Tower.

This acceptance is given subject to your confirmation and agreement to the following:

- 1. The terms and conditions listed herein will form the agreement between Al Rajhi Bank and Dar Metal Industries (the "Contractor").
- 2. Terms and Conditions
 - a) The Contract Sum for the works for the Cash Center
 - b) The Contractor, upon his application, will be paid based on the agreed payment terms below:
 - 50 % With starting fabrication.
 - 50% Upon delivery.
 - c) Delivery Time:- As agreed & to approve by ARB.
 - d) The prices quoted shall include the cost of supply, delivery and installation of the Wooden Decorative Louver and all necessary accessories and fittings required for the proper completion of the Works.

In the meantime, please commence all works necessary to mobilize your workforce, pre-order materials, gain access to the site and generally undertake all works necessary to achieve completion of the Works by the agreed completion date.

Your proposal referred to above is irrevocable and will remain open until the formal contract is executed, whichever is the sooner.

Please accept this letter as the Employer's instruction to proceed with the works, and return a signed duplicate copy as confirmation of your acceptance of this agreement.

Yours sincerely.

Eng. Fahmy Raouf AGN Mega Projects

> شركة الراجحي المصرفية للاستثمار شرخة سعودية فساهمة برأس قال 15,000,000,000 ريال س.ت رقم 96 ص ب 28 الرياض 11411 المملكة العربية السعودية عانف 406317 +966 11 211 6000 تلکس 406317

Al Rajhi Banking & Investment Corp. Saudi Joint Stock Corp. With a Capital of S.R. 15,000,000,000 C.R. No. 96
P O Box 28 Rivadh 1441 Kinedom of Saudi Arabia





مصرف الراجحان Al Rajhi Bank



SIGNED INDICATING ACCEPTANCE OF THE EXISTENCE

OF THE CONTRACT REFERRED TO ABOVE

Signed:

Position:

OSILION

Date:

29/6/2018

For and on behalf of: Dar Metal Industries.

-

ار العناعة المناعة ال







شركة الاستثمار العقارية الدولية Global Investments Real Estate Company

PRK-RY-CO-DARMETALINDUDTRIES-02

التاريخ: ١٠/٥٥/٠١

ملحق (٢) عقد تصنيع وتوريد وتركيب الاعمال المعدنية والزجاج والالمونيوم لمشروع مول الرياض بارك بمدينة الرياض

أشاره إلى العقد المبرم بين الطرفان بتاريخ ٢٠١٥/١١/٠٥م: لتنفيذ أعمال تصنيع وتوريد وتركيب الاعمال المعدنية والزجاج والالمونيوم وملحق العقد رقم ١ بتاريخ ٢٠١٦/٠٢/٠٧ لمشروع الرباض بارك مول اتفق الطرفان: -

الطرف الأول: شركة الاستثمار العقارية الدولية

سجل تجاري :١٠١٠٣٨٣٥٠٢ ص. ب :٣٣٣٣ – الرباض الرمز البريدي: ١٣٢٢٢ هاتف: ٩٦٦١١٤٦١٤٤٠٠ فاكس: ٩٦٦١١٢٠١١٥٠٠ ما ١٩٦٠٠٠ يمثلها في توقيع هذا الملحق الرئيس التنفيذي الاستاذ/ فؤاد عبد الله الراشد. وبشار إليها فيما بعد بـ "الطرف الأول".

الطرف الثاني شركة دار المعدن للصناعة

سجل تجاري :١٠١٠٢٠٠٢ ص. ب :٢٥٠١٨٣ ـ الرياض الرمز البريدي: ١١٣٩١هاتف: ٩٦٦١١٢٤٢١٤٠١ فاكس: ٩٩٦٦١١٢٤٢٠٩٠٨. يمثلها في توقيع هذا الملحق المدير العام الاستاذ/ محمد محمود سلمان. ويشار إليها فيما بعد بـ "الطرف الثاني".

بما لا يتعارض مع بنود أو مواد العقد الأساسي وملحق العقد رقم ١ ومتمم ومكمل لبنود العقد. وبناء على عرض السعر المقدم من الطرف الثاني رقم QTN/DAR-16/0069-R6 بتاريخ ٢٠١٦/٠٤/١٠. و عرض السعر رقم QTN/DAR-16/0069-R6 بتاريخ ٢٠١٦/٠٤/١٠.

أولاً: إضافة الاعمال التالية:

۱-۱ يلتزم الطرف الثاني بتنفيذ وإتمام الاعمال الخشبية الداخلية والديكورية شاملاً التصميم والتوريد والتركيب وضمان الاعمال، وبنفس الالتزامات الواردة في العقد الأسماسي، وبناء على جدول الكميات المرفق مع ملحق العقد برقم(QTN/DAR-16/0060-R3) بتاريخ ۲۰۱۲/۰۶/۱۰

٢-١ يلتزم الطرف الثاني بتنفيذ وإتمام اعمال الالمونيوم الداخلية شاملاً التصميم والتوريد والتركيب وضمان الاعمال.
 وبنفس الالتزامات الواردة في العقد الأساسي، وبناء على جدول الكميات المرفق مع ملحق العقد برقم(-QTN/DAR)
 ٢٠١٦/٠٤/١٠) بتاريخ ٢٠١٦/٠٤/١٠

ثانياً: يتم تعديل المادة رقم (٦) على النحو التالى:

- القيمة الاجمالية التقديرية لبنود العقد الأساسي مبلغ (٢٥,٤٧٣,٤٣٨ ربال).
- القيمة الاجمالية التقديرية لبنود ملحق العقد رقم ١ مبلغ (٢,٧٣٣,٦٦٣ ريال).
- "- القيمة الاجمالية التقديرية لبنود ملحق العقد رقم ٢ مبلغ (٤,٠٨٢,٨٢٣ ريال).

Page 1 of 2

E E METAL INDUSTRIES CO.

قدانطاناعة المعدنالم





شركة الاستثمار العقارية الدولية Global Investments Real Estate Company

٤- القيمة الإجمالية التقديرية لجميع الأعمال موضوع العقد وملاحق العقد والتي تمثل جميع الأعمال الواردة بجداول الكميات هي مبلغ (٣٢,٢٨٩,٩٢٤ ربال) (اثنان وثلاثون مليون ومائتان وتسعة وثمانون ألف وتسعمائة وأربعة وعشرون ربال لا غير) حسب ما ورد في العقد وملاحق العقد وجدول الكميات، ويتم احتساب القيمة الاجمالية النهائية للعقد من المخططات التنفيذية المعتمدة التي من المفترض ان تطابق الواقع ولا تتجاوز الزبادة ١٥% من قيمة العقد عند الانتهاء من الاعمال.

رتمت طباعة هذا الملحق من نسختان اصليتان لكل طرف نسخة يعمل بها.

الطرف الثاني شركة دار المعدن للصناعة

> المدير العام محمد محمه د سلمان

(5) 0/8

TO AR HETAL HIDUSTRIES CO.

الطرف الأول شركة الاستثمار العقارية الدولية

> الرئيس التنفيذي فوّاد بن عبد الله الراشد

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طلب الموافقة على إعتماد عينة مواد (إنشائية - معانيكية)

Request for Sample Approval (Architectural - civil - Electrical - Mechanical) المشروع . تطويرا جنحة العبد النفسي التنفير

مديرية الشنون الصحيه بمحافظة الطانة الشنون الهندسيه - المشاريع

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Kingdom of Saudi Arabia Ministry of Education Taif University (041) الموضوع: طلب اعتماد عينات الايواب الغشبية



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المحترمين

السادة مجموعة وادي مرامر الإنشائية

السلام عليكم ورحمة الله وبركاته وبعد،

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

وبعد مراجعة العينات المقدمة للإعتماد نفيدكم 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 الأتى:-

1. تطبيق جداول الكميات والمواصفات الفنية والمخططات التعاقدية.

٢. تقديم شهادة المنشأ والضمان موثقة من الجهات المعتمدة.

m

وتقبلوا وافر التحية والتقدير،

المشرف العام على دارة المشاريع والصياته

، عيد الحماين احمد الزهراني

لشفوعات بم *عبورة* المنوزج

التاريخ: ۱۹ ۱۹ ما دريخ

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PM-TF-SITE-0022-AR

Page 1 of 1

شركة غدون الخبير المقاولات DIYAR Saudi Diyar Consultants سرحه عصون الحبير للمقاولات Ghosoon Al-Khair Contracting Co. نموذج تسليم اعمال فنية صندوق برید : 21070 – الریاض11475 تلیلون : 0096614743437 فلکس : 0096614743437 🗱 🎎 وزارة الماليــة **MOFT 526** رقم المشروع: مشروع إعادة تأهيل مبائي أرقام (12 و 13 و 14) بمخرج 9 الى الاستشاري: الديار السعودية للاستشارات من المقاول: شركة غصون الخير للمقاولات 2019/08/20 التاريخ R-00 الاصدار FINISHING رقم المستند القسم الموقع MOF الموضوع المرجع نوع/فنة المستند □خطة عمل مستخلصات □ مخططات 🗆 تقاریر ⊠شهادات ارسم توضيحي نوتة حسابية ٦ عقه د طريقة التنفيذ **AUG 2019** 🗖 اخرى قدم لسبب: اللمعلومية 🗆 للمراجعة / التعليق ≥ الموافقة الرقم# WOODEN DOORS DAR METAL التاريخ: 2019/08/20 التوقيع: ار سل بو اسطة التعليق والملاحظات (استشاري التنفيذ) < وفقاً لا به دلجات المرفقة من قبل طائم الا عبات »، كمورد أقل. - يعنم المقاول لوحة موضح علما الفسرة والالوان الدقمار التاريخ: ١٩ - ١٩ - ١٩ -التاريخ: التوقيع: راجع بواسطة موافقة حسب التعليق الموضح مو افقة 🗆 مرفوضة الإجراء يتم التعديل و إعادة الإرسال (الرجاء استخدام الختم) المقاول: شركة غصون الخير للمقاولات استشاري التنفيذ الديار السعودة لللاستثنار التو Saudi Diyar Consultants دب DIYAR Ywa: مشروع إعادة تناهيل مباني أرفتام (١٧ و ١٧ و ١٤ و ١٠ التوقيع الرياض RYS-1912 (MOFT-402) خاص بالخطابات من الموقع الديار السيمودية الإستشابات شركة غصون الضير للمقساولات GHOSOON AL-KHAIR CONT. CO. C.R.: 1010228607 1-1-17747-Y : W. D PROJECT STAMP





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SBI-ARC-RAA- 399995-2019-75-: dhall : CONTRACTOR / July وزارة الناخلية محموعة بالأحب السعودية وكقة الوزارة للتخطيط والنط Ellis Don SAUDT BINLADIN GROUP رقم المشروع / PROJECT NO PROJECT NAME المع المشروع South Border Infrastructure Project (Roads and Buildings) مزمة الأعمال / Work Package ARCHEITECTAL ARCHITECTURAL GENERAL. Discipline Location / Alal تقديم مواد / MATERIAL SUBMITTAL رقم العرجع / Ref. No MAT-GEN-RAA-A0132 Rev. No. Sub. To / الكلايم الي ARCHEN 2-5-2019 التاريخ / Date رقم العقد / Contract No وصف المواد ( مادة واهدة لكل نموذج ) / (Material Description (One Item only per each form حسب المواصفات / As Specification WOODEN DOORS (FIRE RATED & NON-FIRE RATED ) الالله / Alternative مرجع المخطة Drawing Ref / لمخطة ATTCHED FILED المرجع في جدول الكميات / B.O.Q Ref No مرجع المواصفات / Specification Ref Section 08211 Standards, BS, DIN / المعايير ASTM (Attach all relevant technical literature marked to identify descriptions, current test certificate, sample etc.) (الرقع كالله البيقات الأنهاء والمساحة وال النصنع / النوزد / MANUFARACTURE / SUPPLIER : اسم الشركة / Company Name Local Manufactured / مصنع مطي : yes DAR METAL INDUSTRIES C.C.A.S.G Manufactured : N/A Production Period / عدة الانتاج N/A P.O BOX 26012-RIADH TEL:00966 011 292203 Delivery Ex-Works / تسليم الاعمال السابقة N/A Local Agent / الوكيل المحلي: Total Delivery Time / مجموع الوقت النسليم : N/A Overland / الشمن البزى N/A: DAR METAL INDUSTRIES Sea Freight / الشمن البحري: N/A Total Freight / مجموع مدة الشحن: N/A Programmed Date material required on site: Expected date of arrival on site: التاريخ المبرمج للمادة لتتواجد بالموقع: التاريخ المتوقع للمادة لتتواجد بالموقع: Contractor's Authorized Manager SCNATIRE HILL 1125 Name / الاسم RAYAN MOHAMMED توقيع المدير المخول من قبل المقاول Position / الرظيفة : TECHNECAL OFFICE : ملاحظات الاستشاري / Consultant's Comments به بعد المسلم والإعمال من التواصيح والمسلم one contractor of his obligations under the Contract and he shall be liable for all acts, defaults and negligible والمسلم والإعمال من التباطن من التباطن من التباطن المقاول التباطن المقاول التباطن التباطن المقاول التباطن المقاول التباطن التباطن المقاول التباطن الت (An approval does not relieve the Contractor of his obligations under the Contract and he shall be liable for subcontractor) PLEASE REFER TO THE ATTACHED COMMENTS A - APPROVED Status / الحالة B - APPROVED AS NOTED C - REVISE & RESUBMIT D - REJECTED Consultant's Representative Consultant Project Manager MOI Project Manager عل الاستشاري مدير المشروع من قبل الاستشاري ير المشروع من قبل وزّارة الداخلية الاسم / Name HH Name / الاسم **GUSTAVO RODRIGUEZ** NASER OBEIDAT : الترقيع / SIGNATURE SIGNATURE / الترقيع : الترفيع / SIGNATURE B MAY 2019 : التاريخ / DATE DATE / التاريخ : 8 MAY 2019 DATE / التاريخ : ARCHENRECEIVED الد / INCOMING مىلار / UTGOING التاريخ / DATE : التاريخ / ATE 0 2 MAY 2019 SIGNATURE / التوقيع : التوقيع / IGNATURE Form # 11, Rev-01 02:00





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الخدمات الطبية للقوات المسلحة

وزارة الدفاع

المملكة العربية السعودية

# طلب اعتماد مواد

INSPECTION REQUEST FOR APPROVAL OF MATERIAL

التاريخ: STRUCTURAL التاريخ: 12-08-2018 عندانا التاريخ: APPROVED SHOP REQUEST:	DRG, MATERIAL MECH, MATERIAL	مشروع:ترميم اسكان الممرضات (المرحلة الاولي) —   مستشفي القوات المسلحة بالجنوب		PROJECT : Restoration of housing nurses (first phase)	TO: CONSULT	District Control of the Control of t	الاستثناري مهندس المقاول نوعية المواد المطاوب فحصها المواد الموا	 المراد المعن المساعة	C. M. Sellando	The state of the s			CONSULTANT COMMENTS:	الإبطاءام (الإستثباري : CODE CONSULTANT COMMENTS: 19	CODE CONSULTANT COMMENTS: : CODE (B) رایا می از عمق و الدیاک مع رایا می (C) (B)	الإبطاءام (B) (CONSULTANT COMMENTS: CONSULTANT COMMENTS: (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	CODE (الإستثاري : CODE (B) راكار (B) راكار (B) راكار (B) راكاري (B) راكار (
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# ~ SBI-ARC-DAFE-378028-2019-TS-

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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:	Naser Obeidat
Company: شرکة	Al-Dafe for Trading & Contracting Co.	Company: شرکة	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	Copies	# of pages:	Format	Comment
تنقیح	نسخ	عدد الصفحات	شکل	تعلیق
0	1	4	Hard Copy	b: approved as noted

ARCH Issuer HI Naser Obeidat

Archen

Recipient شركة الدفع للتجارة والقاولات Al-Dafe Trading & contracting Co. ---RECEIVED

Mohamed Abdul Aziz Al Bawardi

Al-Dafe for Trading & Contracting Co.





Be	SC Kir	ng Abdullah	Kingdom of Saudi محطنط والنظوير الأمنية – ا يقين لتطوير المقرات الأمنية – ا Ibn Abdulaziz Projec urity Facilities for MOl	وكالة الد. مشروع خادم الحرمين الشر t For Development (	ITAL CO	
MATERIAL SUBM	TTAL FORM /		REF. #	KAP5-BEC-00-0	00-00-MAT-AR-10033	-02
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Bldg. No.& Name/	ALL			Prototype	ALL	
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إلى To الى				Date	21-Oct-2018	
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Structural	☐ Electric	al	⊠ Arch	Civil	☐ General	Others
MATERIALS DETA	صيل المادة المقدمة/ ILS	i i				
Standard / Specifica Supplier / Manufact		Division#	06 etal Industries			
ىزوك/Contact Person						
Availabilit Status /			مطي/Local صف/Specified	14	Imported/- Alternative	
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Sign by Engineer: EM		Title:	SEN ST &	REHNEUT	Date :	5/u/20
A-Approve	N	3-Approved as		Revise and Resubmit	D-Rejected	
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MOI منخة/ MOI Document no. BU1-0-FM-04 rev. 0

NKY

CONTRACTOR

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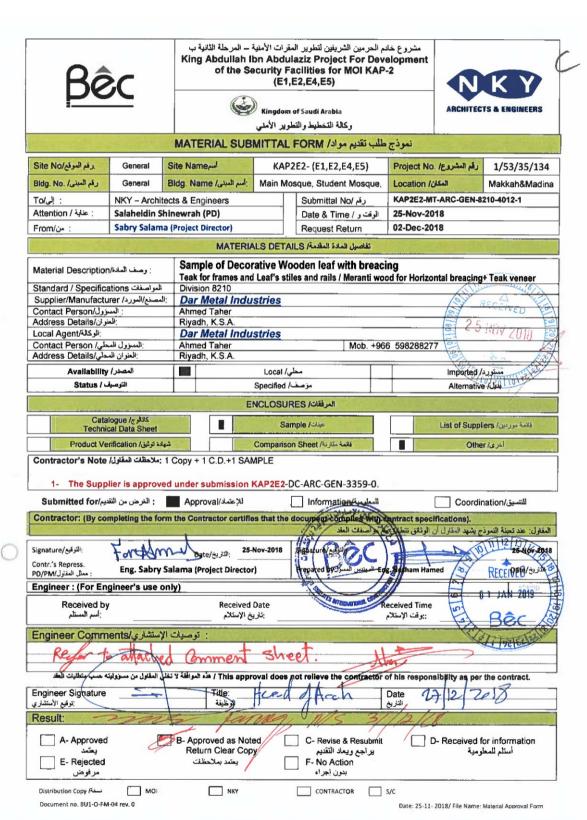
Date: 4-12-2018/ File Name: Material Approval Form



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) Ministry of Interior
Kingdom of Saudi Arabia وكنلة التخطيط والتطوير الأمنى نموذج طلب تقديم مواد/ MATERIAL SUBMITTAL FORM رقم Project No. رقم الموقع/Site No General Site Name KAP2E2- (E1,E2,E4,E5) 1/53/35/134 رقم المبئي/ Bldg. No. General اسم المبنى/ Bldg. Name Min Mosque, Student Mosque, Makkah&Madina المكان/ Location : . رقم التقديم/Submittal No KAP2E2-MT-STR-GEN-8210-4009-1 To/. : NKY - Architects & Engineers عناية / Attention Salaheldin Shinewrah (PD) 04-Dec-2018 الوقت و التاريخ/ Date & Time Sabry Salama (Project Director) 11-Dec-2018 : من/From Request Return Date : MATERIALS DETAILS المقدمة/ Samples for Wooden Acoustic leafs with mold & without + Frames : وصف الملاة/Material Description Strebord 54mm - (Fire rated) / The same mold will be used for non-acoustic leaf المواصفات Standard / Specifications Division 8210 RECEIVED :المصنع/المورد/ Supplier/Manufacturer Dar Metal Industries : المسزول/Contact Person Ahmed Taher 0 4 DEC 2018 :العنوان/Address Details Riyadh, K.S.A الوكالة/Local Agent Dar Metal Industries Contact Person /المسؤول المحلي/ Address Details: العنوان المحلي/ Mob. +966 598288277 Riyadh, K.S.A Imported 1 10 00 12 حلى/ Local المصدر/ Availability التومسف / Status مزمنف/ Specified دیل/ Alternative المرفقات/ ENCLOSURES الوج/ Catalogue Technical Data Sheet List of Suppliers /قلمة موردين كلمة منازنة/ Comparison Sheet شهادة ترثيق/ Product Verification اخرى/ Other Contractor's Note :ملاحظات المقاولة/ 1 Copy + 1 C.D.+3SAMPLE 1- The Supplier is approved under submission KAP2E2-DC-ARC-GEN-3359-0. Submitted for/اللاعتماد Approval : الفرض من التقديم Information/in للتنسيق/Coordination Contractor: (By completing the form the Contractor certifies that the ntract specifications) Signature/التوقيع 04-Dec-2018 Contr.'s Repress. 7 Eng. Sabry Salama (Project Director) Engineer: (For Engineer's use only) Received by Received Date Received Time إمنع المستلم تاريخ الاستلام :: وقت الإستلام توصيات الإستشاري/Engineer Comments ctor of his responsibility as per the contract. Mah Engineer Signature Title تتوقيع الأستشاري ظيفة Result: A- Approved B- Approved as Noted C- Revise & Resubmit D- Received for information يراجع ويعاد التقديم Return Clear Copy أستلم للمعلومية يعتمد بملاحظات E- Rejected F- No Action مرفوض













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DISCIPLINE GENERAL USE STRUCTURAL/CIVIL ARCHITECTURAL HVAC PLUMBING FIRE FIGHTING LECTRIC  DESCRIPTION  Prequalification Submittal - Wooden Doors and Frames  ATTACHMENTS: TECH. BROCHURE & Catalogs CERTIFICATE MANUFACTURER Jupplier file MANUFACTURER Jupplier file MANUFACTURER SUPPLIER / LOCAL AGENT  DAR METHOD STREET ATTEMNT Specification: Section 08 210  BOQ:  MANUFACTURER SUPPLIER / LOCAL AGENT  DAR METAL INDUSTRIES  Action Code  CONTRACTOR  STC / CONSULTANT COMMENTS:  STC NETWORK OPERATION CENTER OPER	New Submittal No.: TS-AR-059-A		
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Project Manager: Mohamed Anwar  Signatural Date: 1997  STC / CONSULTANT COMMENTS:  ** See Comments an attachement—I  STC NETWORK OPERATION CENTER OPERATION CENTER OPERATION CENTER  11 JUL 2018  ** CONSULTANT PM Name: SSC NETWORK OPERATION CENTER Name: Jacob	DAR METAL INDUSTRIES DAR METAL INDUSTRIE	s KSA	Action Code
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		100 16.	Name: Husan
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MOAPR 2011 REQUEST FOR	INSPECTION	
Discipline:  Civil/Structural Sign: Electrical Med	chanical Architectural	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 April 18, 2018	<b>Spec's. Ref.</b> 08210
REFER SD-MM09-A-1.306	Time of Inspection 11.00 am	Date In April 18, 2018
NETER 3D-WINDS-A-1.300	Drawing No.	Date out
	SD-MM09-A-1.306	April 24, 2018
LOCATION:- MM09 - GROUND FLOOR		ments
Mock-up is accepted  (1A/9) and (1B/9)		on pgs#
INCOECTION	DECLUTE	73 * 6
INSPECTION  CODE STATUS  (A) Work is accepted as noted  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.	DATE 23/4/18	SIGNATURE
Acceptance does not relieve the contractor of his Responsibility under the terms of the contract nor Authorized additional compensation City Male Compensation C		y inspected by the Consultant and found code given above.
Date: April 18, 2018	Date:	3 4/18

Doc. Ref.: KKU - QA/QCSF001/1 Date Issued: 10.Nov.2012



Doc. Ref: CSF08a/5

Issue Date: 28-June-2016

Eng. Phil	ιP		
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	17-304 8	UBMITTAL FORM	
SUBJECT: MM09 Au Doors &	ditorium Decoration System	ı – Prequalification for Audito	orium Wooden
Specs. Code & Ref.	B.O.Q. Code Ref.	Drawing No.	Submittal No. J10-03600-1/S-MT-
•			ARCH-0187-I Rev-00
08210	MM09 – Conference Center		Date Received:
	- Control		
			Date Returned:
Sub-contractor			
Name: ALSHRO	UK		AN, SAUDI ARABIA
Address: AL KHAL	DYA, KING ABDUL AZIZ RO	AD Phone: +9661	7 5226668 Telex:
Manufacturer		Supplier/ Agent	
Name:			SHROUK
Address:		Name.	KHALDYA, KING ABDUL AZIZ ROAD,
			JRAN, SAUDI ARABIA
Phone:		Phone: +96	66 17 5226668
Fax:	The state of the s	Fax: +96	66 17 5226668 Telex: 100 100 100 100 100 100 100 100 100 10
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Information submitted a	attache BAYTUR		
Certificates	KKU Medical City Male Ca	Operation & Main	tenance Manual
Technical Brochure	Phase - H	Spare Parts List	- }
Manufacturer's Data & S	Received	As Built Drawings	· — — — — — — — — — — — — — — — — — — —
Shop Drawings 0 7 FEB	1018	Warranty	
Samples	Doto: n7 FRE	Others (Specify)	
Contractor's Comments	Manufacturer PQ attached /	Subcontractor Supplier were ale	ready approved by KKU/ZFP for MM09
Auditorium Decoration Sys	item (J10-03600-1/S-MT-ARCH	1-0187 Rev-00,187A & 187B).	has a second
		Se	e Attachment
Note: This review of	loes not relieve the contra	actor (Contractor) Eng.	Ayman Al Harbi AAUDI ARABIAN
of his respons	ibilities under the terms of	the Signature: Acting	g Project Director BAY
contract r	nor authorize additi		2/2018
compensation			CR:2051037631
	Status 2 (	approved as	
to commen	its on attack	ned material	committee forms
		Se	e Attachment D6-02-18
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	Consultant	s Recommenda	tion	0187-I F	EV-UU	
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ZFP Signature:	- Mari	S.	Mhysbaff			
Philip Velasquez	Mohammad Naj	ieeb .	Shan bed Ebrahim Ehad			
Philip Velasquez	Mostafa M. Elkholy		Date: 06-0	2-208		
Rhilip Velasquez Wafaey	Mostafa M. Eikholy  KKU Enginee	rs Recommenda	Date: 06-0	T	<u> </u>	1 Approve
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ZUHAIR FAYEZ PARTNERSHIP

KKU MEDICAL CITY

MALE CAMPUS MMO9.

SAUDI ARABIAN BAYTUR

SAUDI ARABIAN
BAYTUR

SUBMITTAL FORM

		System - Pro	equalification for	Auditorium Wooden	
			rawing No.	Submittal No.	J10-03600-1/S-MT- ARCH-0187-I Rev-00
Ce	nter			Date Received	l:
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VI SHBUIK			Addrage: 1	JAJRAN, SAUDI ARABI	Δ
	KING ABDUL	AZIZ ROAD			llex:
			Supplier/		
	0.000		Name:		
			Address	NAJRAN, SAUDI AR	
			Phone:	+966 17 52 266 68	
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Contraction of the last of the					KKU/ZFP for MM09
				See Attachment	Ø
review does n	ot relieve the	contractor	(Contractor)	Eng. Ayman Al Harti	SAUDI ARABIAN
s responsibilitie	s under the t	erms of the	Signature :	Acting Project Directo	BATTUR
raot nor	authorize	additional	Date	03/02/2018	Shirt in war with the st
pensation.					C'R:2051037631
comments:					
				See Attachment	
		Discipline	8	Sign & Date	Resident Engineer
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	Doors & Frame Ref. B.6 MM Ce  ALSHROUK AL KHALDYA,  Domitted and atter where Data & Specs. The review does no presention System (J  review does no presentation.  Domitted and atter there are no manufacture of the responsibilities and nor manu	Doors & Frames.  Ref. B.O.Q. Code Ref. MM09 - Conferer Center  ALSHROUK AL KHALDYA, KING ABDUL A  Telex:  Domitted and attached:  Chure B. Data & Specs.  Comments: Manufacturer PQ alloyation System (J10-03600-1/S-Marchaele)  Terview does not relieve the area possibilities under the tract nor authorize consation.  Comments: Comments: Comments:  Description of the property of the p	MM09 Auditorium Decoration System - Propors & Frames.  Ref. B.O.Q. Code Ref. MM09 - Conference Center  ALSHROUK AL KHALDYA, KING ABDUL AZIZ ROAD  Telex:  Discipling the contractor or exponsibilities under the terms of the ract nor authorize additional pensation.  Discipling de Discipling de as noted Discipling Arch.  d as noted Discipling Arch.	Doors & Frames.  Ref. B.O.Q. Code Ref. Drawing No.  MM09 - Conference Center  ALSHROUK AL KHALDYA, KING ABDUL AZIZ ROAD Phone:	MM09 Auditorium Decoration System - Prequalification for Auditorium Wooden Doors & Frames.  Ref. B.O.Q. Code Ref. Drawing No. Submitted No.  MM09 - Conference Center Date Received Date Received Date Returned  ALSHROUK ALKHALDYA, KING ABDUL AZIZ ROAD Phone: +966 17 5226668 Te  Supplier/ Agent Name: ALSHROUK Address ALKHALDYA, KING ABDUL AZIZ ROAD Phone: +966 17 5226668 Te  Phone: +968 17 5226668 Te  Supplier/ Agent Name: ALSHROUK Address ALKHALDYA, KING NAJRAN, SAUDI ARABI Phone: +968 17 5226668  Telex: Fax: +968 17 5226668  Demitted and attached: Spare Parts List As Built Drawings Warranty Warranty Warranty Warranty Warranty Warranty Warranty Warranty Warranty Others (Specify)  Domments: Manufacturer PQ attached / Subcontractor Supplier were already approved by the presentation or authorize additional Date Date O3/02/2018 Presentation.  Discipline Sign & Date date of Discipline Sign & Date Date Date Date Date Date Date Date

Client's Comments:

Doc. Ref: CSF08a/6 Issue Date: 28-June-2016

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مشروع خانم الحرمين الشريفين لتطرير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 (E2)





		MATERIAL SUBMIT	لب تقديم مواد/ TAL FORM	نموذج ط	
رتم الموتع/Site No	General	Site Name السم	KAP2E2 (E1,E2,E4,E5)	رقم المشروع/Project No.	1/53/35/134
رقم المبنى/ Bldg. No.	General	Bldg. Name أسم :المبنى/	General	لمكان/Location	Makkah & Madinah
: الى/To	NKY - Architects &		رقم /Submittal No	KAP2E2-MT-ARC-GEN-6400-3	691-1
عناية /Attention	Salaheldin Shinew		الوقت و / Date & Time	06-May-2018	
: من/From		r ( Project Director)	Request Return Date :	20-May-2018	
	y ga linger w	MATERIALS D	تفاصيل المادة المقدمة/ ETAILS)	1127	
Material Description	: وصف المادة/٥٦٨	Technical submitta	l for Wooden Kitchen c	abinet. 3 10 11 12	TE .
Standard / Specifi	المواصفات cations	Division - (6400)		RECEIVE	0
Supplier/Manufac	:المصنع/المورد/ turer	Dar Metal Industrie	es	W- 15 mm	12
Contact Person/J	: المسؤو	Ahmed Taher		IST IS MAY 2	2018
ن/Address Details	:العنوا	Riyadh, K.S.A		F1 95	0
الركالة/Local Agent		Dar Metal Industrie	es	10 DEC	1.8
Contact Person /4		Ahmed Taher	Tel: +966 598288277	VI IVELET	12
Address Details/	:العنوان المحل	Riyadh, K.S.A		-	
Availabili	المصدر/ ty	Lo	مط <i>ی/</i> ocal	ورد/ Imported	iua
Status	التوصيف	-	ified /مزصف/	Alternative /J	
		ENCL	المرققة OSURES.		MAN CONTRACTOR
	atalogue /کٹرج hnical Data Sheet		عينات/ Sample	List of Suppliers	قائمة موردين/
Product 1	شهادة ترثيق/ Verification	Com	parison Sheet العامة	Other I.s.	اخر
1. The sample is at	ttached with REV.0	mission KAP2E2-DC-ARC and approved by the consul 		Coordinat	ion/لتنسيق
			at the document complies with		
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Signature/الترقيع	for the so	06-M 2018 :التاريخ/Bate	Signature (to )	Eng. Hesham	06-May-2018
المواد .Material Eng		d Abouelghar (Project Direc	tor) Controct r's Represe	Hamed	التاريخ/Date
Engineer : (For	r Engineer's use o	only)	11120	2	Stamp
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Engineer Signa ترقيع الأستشاري	ture	Title:	d JArch.	Date 205	08
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A- Appr	The state of the s	B- Approved as Note	d C-Revise & Resul راجع ويعاد الثقديم		
I- For In	formation [ المعلو	N- No Action لا إجراء	ر بع ریده سیم T- Terminated	برموسی N- Not Applica غیر قابل للتطبیق	
عنة/ Distribution Copy	MOI	NKY	CONTRACTOR	] s/c	1015/19



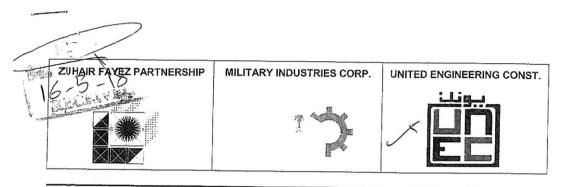


	ARCHITECTS & ENGINEERS
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Client:	Ministry Of Interior - MOI	Project Name:	KAP2 - Phase E2			
Engineer:	NKY Architects & Engineers - NKY	Reference Submittal / Transmittal:	KAP2E2-MT-ARC-GEN- 6400-3691-1			
Contractor:	BEC Engineering Contracting Co. Ltd	Document Subject:	Kitchen Wooden cabinet			
Project Title:	Material documents for Kitchen Wooden	Received Date:	7-May-18			
	cabinets from Dar metal industries	Code:	B			
	COMMENT SH	EET				
1	Submit origini catalogue to the artificial mabke	for the counter tops				
2	All cabinet material is plywood 18 mm only	to carcase,shelves and leaf	while back is 8mm			
3	provide full color selection to the cabinet box	and doors together in one b	oard			
4	Provide compliance sheet with NEMA LD1 for surface finish					
5	Provide compliance sheet with AWI 400	1/2				
6	Provide shop drawing to all cabinets for each	location				
7	the manufacture is responsible to take and su start manufacturing to submit that shop drawi					
8	drawer body shall be made of steel parts only	drawer face from mahogany	veneer			
9	the manufacturer shall only follow approved s	hop drawing for manufactur	ing			
10	finish to be submitted for client final approval					
11	project specification in different sites requirer	nent and standards to be str	ictly followed			
12	installation to be done by experts as per stand	lards and project specification	on			
13	product to be delivered to site with proper par piece.	king and labels showing no	and location of each			
Issued By:						
Name, Surname	<u>Title</u>	Signature	<u>Date</u>			
Basem S. AbdulBaset	Senior interior design engineer	there	5/9/2018			
		NK	YSA-PMN-GEN-COS-01			

10/05/200





## REQUEST FOR INSPECTION (RFI)

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

	ZFP REMARKS
Circle V	LIVING SICH CHI, VICI ME CONTA
	ं निर्मा
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	- Sois i pile tieb to her tos,

Code	Status	Date	Signature
A	Work is accepted. Approved.		
В	Approved as Noted.	17/5/2018	-01
C	Rejected. Resubmit.	10,10,20,0	

## 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:

## CONSULTANT

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

Name:

Eng. Mohamed Abo-Almaaref

Position.

Signatura





مشروع خائم الحرمين الشريفين لتطوير المقرات الأمنية – المرحلة الخامسه 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

			WATERIAL	SUBIVITIAL	يم مواد/ FORM ـ		943		
رقم الموقع/Site No	All	Site Na	ame إلىم الموقع/		All	Project	رقم المشروع/ .No		
رقم المبنى/ . Bldg. No	All	Bldg. N	اسم الميني/ lame		All	Locatio	المكان/ ח	All	
: الى/٢٥	Gesbau	/ Italcon	sult JV		Submittal No/نیم	: . رقم التة	KAP5-CRCC-00- Rev.00	000-00-MAT-AR-1021-	
عناية /Attention	Mr. Stu	art Kean	e		يخ/ Date & Time	: الوقت و التار			
: من/From	CRCC			Request Return Date :					
			MA	ATERIALS DET	يل المادة المقدمة/ AILS	تقاصر		Name and Winds	
Material Description	سف المادة/on	: رم	WOODEN	DOORS (FIRE	RATED & NON	-FIRE RAT	FD)		
Standard / Specifi	ات cations	المواصف	MTR	BOOKO (FIRE	TOTILD GITOIT	-1 11(11 10(1	20)		
Supplier/Manufac			100000000000000000000000000000000000000	INDUSTRIES	(Wood Division)				
Contact Person/J	: المسؤو		Ahmed Tahe	r (0598288277					
ن/Address Details			Riyadh - KS/						
:الركلة/Local Agent		1.		INDUSTRIES (	Wood Division)				
ی/ Contact Person پ/Address Details	العنه ان المحلم العنه ان المحل	··.	Riyadh – KS/	r (0598288277) A					
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Product \	/orification	شهلاة توثيق/		Compariso	on Sheet /قاتمة		Annual Resident	Other اخرى	
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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 ARCHITECTS & ENGINEERS وكالة التخطيط والتطوير الأمنى نموذج طلب تقديم مواد/ MATERIAL SUBMITTAL FORM رقم الموقع/Site No General Site Name KAP2E2- (E1,E2,E4,E5) رقم المشروع/ .Project No 1/53/35/134 Main Mosque, Student وقم Bldg. No. رقم المبنى/ اسم Bldg. Name Makkah & General Mosque, Clinic, Educational المكان/ Location المبنى/ Al Madina Building, Theatre : . رقم التقديم/Submittal No NKY - Architects & Engineers KAP2E2-MT-STR-GEN-6400-3599-0 To/ 31 : : عناية / Attention : Salaheldin Shinewrah (Project Director) الوقت و التاريخ/ Date & Time 20-Mar-2018 : من/From Ahmed Abouelghar ( Project Director) Request Return Date : 03-Apr-2018 تفاصيل المادة المقدمة/ MATERIALS DETAILS Decorative Wooden Works(Wooden skirting-Shoe rack-Mihrab-opening cladding) : وصف المادة/Material Description المواصفات Standard / Specifications Division 6400 المصنع/المورد/ Supplier/Manufacturer **Dar Metal Industries** RECEIVED المسؤول/Contact Person Ahmed Taher :العنوان/Address Details Riyadh, K.S.A. الوكالة/Local Agent Dar Metal Industries لمسؤول المحلي/ Contact Person Address Details: العنوان المحلي/ Ahmed Taher Mob. +966 598288277 Riyadh, K.S.A المصدر/ Availability محلي/ Local التوصيف / Status موصف/ Specified Alternative / المرفقات/ ENCLOSURES كتارج/ Catalogue Sample /حينات قائمة موردين/ List of Suppliers Technical Data Sheet شهلاة توثيق/ Product Verification قائمة مقارنة/ Comparison Sheet اخرى/ Other 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 mation/s Submitted for/الغرض من التقديم Approval : الغرض عن التقديم للتنسيق/Coordination Contractor: (By completing the form the Contractor certifies that the complies with contract specifications). المقاول: عند تعبئة النموذج يشهد المقاول أن الوثائق تتطابق > Date/التاريخ 20-Mar-2018 20-Mar-2018 11 12/13rel Material Eng. مهندس المواد. Engr. Ahmed Abouelghar (Project Director) Eng. Heshi :ممثل المقاول Engineer: (For Engineer's use only) RECEIVED Received by Received Date Received Time APR 2018 تاريخ الإستلام إسم المستلم :: وقت الإستلام توصيات الإستشاري/Engineer Comments Respon to attached comment sheet. 1 72 56 This approval does not relieve the contractor of his responsibility as per the contract. هذه الموافقة لا تخلي المقاول من مه Engineer Signature توقيع الأستشاري Title: Date H.O.ARCH 01-04-2018 له ظيفة Result B-Approved as Noted A- Approved C- Revise & Resubmit D- Received for information يراجع ويعاد التقديم استلم للمعلومية Return Clear Copy E- Rejected يعتمد بملاحظات F- No Action مرفوض بدون إجراء نسخة/ Distribution Copy NKY CONTRACTOR MOI Document no. BU1-O-FM-04 rev. 0 Date: 20-3- 2018/ File Name: Material Approval Form





the Security Facilities for MOI KAP-5 Group4  PREQUALIFICATION SUBMITTAL FORM / REF. # KAP5-BEC-00-000-00-PR  TITLE Wooden Works  Site No. 8 Name/  المر دي الموقعية المرابة المرابة الموقعية المرابة	PACE	LJ ZACE	منب و ع داد		لمنظ والقطوس الأمني ن لفطون المقرات الأمنية	ــ المرحلة الثانية		30	56	
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Sector No. ALL  Sector No. ALL  Sector No. ALL  ALL  From BEC  Date 11-Dec-2017  Discipline المرابة المواقع المحافظ ا	PRQ-AR-8716-00	-00-000-00-PRQ-AR-8	KAP5-BEC	REF.#		ORM /	MITTAL FO			
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Note: The Submittal Includes 2 Copies of Catalogues + 1 CD  Submitted For:  Approval  Note: By completing the form Contractor certifies that subject drawings comply with contract conditions.  Prepared by  Eng. Mohamed Gouda  Signature:  Contractor Representative ED/PM  BIJV USE ONLY  Received by DCC:  Sign  Date:  Comments:  Comments:  Comments:  Line Makehed Technical Report  Part States is 'B - Approval os nated.  Sign by Engineer:  Title:  Makenil Engineer.  Date:	نقمة مرريين/ uppliers	ردین/ List of Suppliers		عينات	Sample					
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Deputy Project Manager Signature:  Contractor Representative POPM  Received by DCC:  Sign  Date:  Comments:  Comments:  Comments:  Comments:  Line States is 'B - Approved as maked.  Sign by Engineer:  Title:  Make mil Engineer.  Date:  Date	Coordination		، الْعقد	nply with co	ubject drawings co		ontractor ce	g the form C	: By completing	Note
Engineer's Comments:  Comments mentioned in The attached Technical Perport  pour States is 'B- Approved as maked.  Sign by Engineer:  Title: Makenil Engineer.  Date:	PM In	presentative, PD/PM	3 22	) B	10 100	- M7	amed Gouda	1		
Engineer's Comments:  Comments merchaned in the attached Technical Report  pour States is 'B- Approved as nated.  Sign by Engineer:  Title: Material Engineer.  Date:  This approval does not relieve the contractor of his responsibility as per the contract.		1	27	311	His I		1-7-	TAX TE	SE ONLY	SIJV L
Comments mentioned in the attached Technical Report  poor States is 'B - Approved as nated.  Sign by Engineer: Title: Material Engineer. Date:  And I will be approved to a not relieve the contractor of his responsibility as per the contract.	Time:	Time:	Date:				Sign		red by DCC :	Recei
This approval does not relieve the contractor of his responsibility as per the contract.		रा गावित है	TO S	- 77 15 1			11 272	8:	er's Comment	Engin
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مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية King Abdullah IbnAbdulaziz Project For Development of 1 GESBALL the Security Facilities for MOI KAP-5 Group4 HALCONSULT Kingdom of Saudi Arabia وكالة النحطيط والنطوير الأملم SHOP DRAWING SUBMITTAL FORM / REF. # KAP5-BEC-00-000-00-SDS-AR-9125-02 موذج تقديمالمخططات DESCRIPTION Wooden Doors Site No.& Name/ ALL Sector No. ALL اسم و رقم الموقم Bldg. No.& Name/ General Prototype ALL أسم و رقع المبنى From BEC To / GESBAU-ITALCONSULT JV Date 28-Mar-2018 بيانات مستندات / DRAWING DETAILS DRAWING REF NO / 4 LANSA Sf DRAWING DESCRIPTION / منظط اسم STATUS 1. KAP5-BEC-00-000-00-DWG-SD-0000-AR-810 (0000-General) Wooden Flush Door - Fire Rated - Door Types A SD 00 В 2. KAP5-BEC-00-000-00-DWG-SD-0000-AR-811 (0000-General) Solid Wooden Panel Door - Non Fire Rated - Door Types A 00 B KAP5-BEC-00-000-00-DWG-SD-0000-AR-812 SD 00 (0000 General) Wooden Flush Door – Fire Rated – Door Types B В 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 В 5. KAP5-BEC-00-000-00-DWG-SD-0000-AR-814 (0000-General) Wooden Flush Door – Non Fire Rated – Door Types C В KAP5-BEC-00-000-00-DWG-SD-0000-AR-815 6. (0000-General) Wooden Flush Door –Fire Rated – Door Types C SD 00 KAP5-BEC-00-000-00-DWG-SD-0000-AR-816 7. SD 02 (0000-General) Wooden Flush Door (With Louver) NFR - Door Types C 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 В KAP5-BEC-00-000-00-DWG-SD-0000-AR-818 9. SD 00 (0000-General) Wooden Flush Door - Non Fire Rated - Door Types L В 10. KAP5-BEC-00-000-00-DWG-SD-0000-AR-819 SD (0000-General) Wooden Flush Door - Fire Rated - Door Types L R 11. KAP5-BEC-00-000-00-DWG-SD-0000-AR-820 SD (0000-General) Wooden Flush Door - Non Fire Rated - Door Types F 00 В 12. KAPS-BEC-00-000-00-DWG-SD-0000-AR-821 SD 00 (0000-General) Wooden Flush Door -Fire Rated - Door Types F 13. KAP5-BEC-00-000-00-DWG-SD-0000-AR-822 SD (0000-General) HPL Finish Door - Non Fire Rated Door Types I التخصص/DISCIPLINE Architectural Structural Mechanical Electrical Civil Others المرفقات /Enclosures Copies/ DAR  $\boxtimes$ النسخ / Hard Copy نسخة إلكترونية /Soft copy Submitted For: Information Coordination Note: By completing the form Contractor certifies that subject drawings comply with contract conditions. (العقد شروط مع تقطابق المخطاطات أن على المقاول يشهد النموذج تعبلة عــــ) : والمطلق ال Prepared by: Eng. Ahmed Elsahn Signature Contractor Representative- PD/PM : Eng. Fahad Aljasser (Project Manager) Deputy Project Manager Signature GIJV USE ONLY Received by DCC: Sign Date: RECEIVED Engineer's Comments CEMMENTS THE ATTACHED

This approval does not relleve the contractor of his responsibility as per the contract. مذه المواققة لا تخلي المقاول من ممووليته حسب متطلبات المقة Page 1 of 2

Page 1 of 2





مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية – المرحلة الخامسه 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

				رير الأمني	لتخطيط والتطو	وكالة ا			
			MATERIAL	SUBMITTAL	FORM /	ب تقديم مواد	وذج طل	نه	
رقم الموقع/Site No	All	Site Na	ame إلىم الموقع/		All		Project N	رقم المشروع/ .٥٥	- 3
رقم المبنى/ .Bldg. No	All	Bldg. N	lame /امم المبنى		All		Location	المكان/	All
: إلى/To	Gesbau	/ Italcon	sult JV Submittal No/. : . رقم التقديم			. :	KAP5-CRCC-00 Rev.00	-000-00-MAT-AR-1021-	
Attention/عناية	Mr. Stu	art Kean	e		Date & T	ت و التاريخ/ ime"	: الوقت	13/March/2018	- 09:00 am
: من/From	CRCC				Request	Return Date	:		
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Supplier/Manufac		:المصنع/ال		INDUSTRIES	•		*1		
Contact Person/J				(0598288277	05655066	15)			
ان/Address Details :الركالة/Local Agent	العنوا:		Riyadh – KSA DAR METAL	NDUSTRIES (	Wood Divis	ion)			
Contact Person /	مسؤول المحلم	JI:		(0598288277)					
ى/Address Details			Riyadh - KSA						
Availabili				ي/Local	مطر			Impo	مستورد/orted
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Resubmittal	Submittal Date:	19/08/2018		Previous Subm	nittal Date:	N/A		
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Prequalification Submittal - Joinery Works & Wooden Flooring  Specification: 06100, 06400, 09550 BOQ:			CERTI	BROCHURE & Catalogs FICATE FACTURER / supplier file DD STATEMENT LES MANUALS FPART LIST ANTY	☐ A: App	APPROVAL STATUS  A: Approved  B: Approved As Noted  C: Revise and Re-submit  D: Disapproved  E: No Action		
MANUFACTURER	SUF	PPLIER / LOCAL AGENT		ORIGIN				
DAR METAL INDUSTRIES WOOD DIVISION  Project Manager: Monamed		Signature:		KSA UM	Date:	tion Code 19-Aug-18		
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The Engineer:	The Employer:	Contract Administrator:	The Contractor:
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	i common o	uminicai		Date:		07/10/2018
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Enclosure:	☐ Pre-Qualification	☐ Method Statement	Guarante		Certificate	☐ Test Result
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The Engineer:	The Employer:	Contract Administrator:	The Contractor:
MENADT	ماجدالفطيم MAJID AL FUTTAIM	FAITHFUL GOULD	UNITED ENGINEERING CONSTRUCTION EST. 1976
VI WARE	CITY CENTER ISB	ILIYAH (ENABLING PROJECT	)

	Ref.i	No.	KSA20	1-UNEC-PW-MTS-0081
Technical Submittal	Rev.	No.		1
	Date	:		07/10/2018
Subject of Submittal: Pre-Qualification Dar Material II	Industries for Site Cabin	Office.		
Discipline:   Mechanical   Civil	☐ Structura	ıl 🗆	Electrical	☑ Architectural
Enclosure: Pre-Qualification Method Statemen	nt Guarantee	<b>V</b>	ertificate	☐ Test Result
Operation & Manual Project Quality Pla	an HSE Plan		alculation	☐ Survey
☐ Material ☐ Sample	Report	□т	echnical Data	
Contractor's Project Manager: Engr. Walid Al Hassan		Date:		07/10/2018
Design Consultant Manager : Dr. Mohammed Ismail	conj	Date:	00	5/10/2018
Design Consultant Manager Comments:			Approval S	Status:
(1) All Submissed material confly local registernes no Isabelity Shared of towards 1947 E. 19	Showled Showle			pproved As Noted  lot Approved, Resubmit ation Only
Contract Administrator Sign: 137		Date:		
Contractor Received Sign:		Date:		
All 2018, 10, 09.  INITED ENGINEERING CONST.  OTY CENTER ISHBILINAH  ENABLING PROJECT  O 10 CO ST. 10	1 2018 CCT 0	lews	od be	





The Engineer:	The Employer:	Contract Admi	nistrator:	T	he Contractor:
MENHADT .	ماجدالفطيم MAJID AL FUTTAIM	FAITHFUL L	A IDULD STRUCTIVE EXPERTISE		UNITED ENGINEERING CONSTRUCTION EST. 1976
	CITY CENTER ISBI	LIYAH (ENABLIN	G PROJEC	T)	
Taaba	!! C		Ref.No.	KSA20	1-UNEC-PW-MTS-111
recnn	ical Submittal	artiniski in filologija i krajita 🗕	Rev.No.		07/10/2018
Subject of Submittal:	Material Submittal Metal Doors	THE RESERVE OF THE PERSON OF T		hin Office	0111012010
Discipline:   Mechan	ical 🗆 Civil	☐ Struc	tural 🗆	Electrical	☑ Architectural
Enclosure: Pre-Qualific	ation Method Statemen	t Guarantee	e 🔲	Certificate	Test Result
Operation &	Manual Project Quality Pla	an 🔲 HSE Plan		Calculation	☐ Survey
☑ Material	☐ Sample /	Report		Technical Data	
Contractor's Project Manager:	Engr. Walid Al Hassan	7/	Date:		07/10/2018
	Dr. Mohammed Ismail	COLUS	Date:	<i>D</i> =	3 (0) 2018
Doorgii Concurati Managori .	Dr. Worldmined Ismail	<u> </u>	Duit.		710-12010
Design Consultant Mana	ger Comments:			Approval S	tatus:
1) This Approx	of Is for Doors	Only .			
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tor Harden a	76.			☐ Code C - No	ot Approved, Resubmit
(3) Contractor	to confirm col	00 6 Part	- Jepe_	La For Informa	iion Only
with MA	F Architect			Notes:	
(4) Contractor	to emeso 5	SBC 8016	- 10		A STATE OF THE STA
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(8) This 85 as	DEB Contract.	No liels!	y an		
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Reviewed By:	Long y (D)	4	Date:	2/10	ho
Contract Administrator C	comments:				
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Contract Administrator Sign:			Date:		
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Contractor Received Sign:	488	1	Date:		
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The Engineer:	The Employer:	Contract Administrator:	The Contractor:
MEINHADT	ماجدالفطيم MAJID AL FUTTAIM	UNITED ENGINEERING CONSTRUCTION EST. 1976	
	CITY CENTER ISBI	LIYAH (ENABLING PROJEC	T)
		Ref.No.	KSA201-UNEC-PW-MTS-112
Techn	ical Submittal	Rev.No.	0
		Date:	07/10/2018

	Ref.No.	KSA201-UNEC-PW-MTS-112
Technical Submittal	Rev.No.	0
	Date:	07/10/2018
Subject of Submittal: Material Submittal Wooden Doors Dar M	letal industries for Site	Cabin Office.
Discipline:   Mechanical   Civil	☐ Structural ☐	Electrical  Architectural
	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:	05/6/2011
	9	3(0)
Design Consultant Manager Comments:		Approval Status:
1) The Approval is only for Door	ne Oole	Code A - Approved
Contractor has to make a se	acreste .	Code B - Approved As Noted
sobniffed for Hordes are		Code C - Not Approved, Resubmit
	****	For Information Only
2) This is DEB Contract. All (	Sals listes	
are with contractor and co	most be	Notes:
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/2/377		
3) Contractor to ensure SBC 801	compliance	
	- Garage	
Reviewed By:	Date:	3/10/18.
Contract Administrator Comments:		The state of the s
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Contract Administrator Sign:	Date:	
Contractor Received Sign	Date:	
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W 2018, 10. 09.		
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PROJECT NAME:  PROJECT LOCATION  PROJECT NO.:  STC NET OPERATION	ON:	NETWORK OPERATIO BUILDING STC - HQ- Mursalat 0665022	ä	اللطيفين Al-latifia	J - 154 ETWORK ON CENTE	4	الاتصالات السيمو ديد المشاريون المشاريون المشاريون المشاريون المشاريون المسابقة الم
1 0 OCT 201	8	TECHNICAL S	SUBMITT	AL (TS)			
New Separate EVE	Submittal No.:	TS-AR-142-A		]	Revision No.	ittal Date:	25/09/2018
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DISCIPLINE GEN	IERAL USE	STRUCTURAL/CIVIL ☑ ARC	:HITECTURAL	∟ □ н	IVAC   PLUM	BING   F	FIRE FIGHTING
DESCRIPTION			ATTACH	MENTS:		APPRO	OVAL STATUS
Material Submittal - Woode  Specification: 08210	n Doors and F	Frames	CERTI	IFICATE IFACTUREF OD STATEI LES MANUALS E PART LIS RANTY		□ C:F	Approved Approved As Noted Revise and Re-submit Disapproved No Action
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Project Manager : Mohamed	Anwar	Signature: 🖁	r/ (J	Jognet	al	Date:	10-Oct-18
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CONSULTANT ENGINEER Name : Signature : Date: REF, IN Signature :	74.AH = 21/101	9	CONSULT Name : Signature :	I.H	10118	Signature:	STC REP. Name: Signature: Date:
Date .				- 1		Date:	





PROJECT NAME :		TWORK OPERATIO	N CENT	ER (NO	C) & PARI	KING	الاتمالات السمودية
PROJECT LOCATI	ON:	TC - HQ- Mursalat	äı A	اللطيف atifia	J-154		لنا مهندسون استشاریون میرسم وادارة مشاریون BEITA COUSDITING EMSINEE DESIGN & PROJECT MANAGEMEN
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1 16 OCT 20	118	TECHNICAL S	UBMIT	AL (TS)			
✓ New Submittal	MAD F	ΓS-AR-175			Revision No.		00
Resubmittal	Submittal Date:	16/10/2018			Previous Submi	ttal Date:	N/A
DISCIPLINE GEN		STRUCTURAL/CIVIL	HITECTURA	. Пн	VAC PLUM	BING	FIRE FIGHTING
DESCRIPTION			ATTACH	MENTS:		APPR	ROVAL STATUS
Material Submittal - Wo	oden Cladding		TECH.		RE & Catalogs	☐ A:	Approved
material oublinital - vvo	oden cladding			FACTURE	R / supplier file	□В	: Approved As Noted
			SAMP	LES	VIENT	□c	: Revise and Re-submit
			O&M N	PART LIS	т		: Disapproved
Specification: 09546 Acoustical Cladding Panels	Wood BOQ:		☐ WARR			□ E	: No Action
				_			
MANUFACTURER	SUPP	LIER / LOCAL AGENT		0	RIGIN		
Dar Metal		Dar Metal			KSA	B	Action Code
		1	1.	A			
Project Manager : Mohamed	Anwar	Signature:	ledte	HO.		Date:	16-Oct-18
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CONSULTANT ENGINEER Name:	M. FIVE	1	CONSUL Name :	I.H	00/		Name :
Signature :		1	Signature	11	mil ,	0	Signature :
Date: 724/ REF. IN Signature	10/18	1	Date:	25	REF. OUT	Signatur	Date:
Doto				- 1		Date:	











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 KAINDLE SSG 600A-DC	2
40	LAGOS COMPLETE FINISHING AREA (HOTMELTCONTOR EDGE BANDER SMART + TRIMMING MACHINE)	2
41	VACCUM PVC PRESSING	2
42	AUTOMATIC CNC HINGES & LOCK BORING	1
43	SOLID WOOD PANEL ASSEMBELY	1
44	CNC ROUTER LASER HEADER	1

































































































































# **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**

Haispan 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 <a href="https://www.halspan.com">www.halspan.com</a>

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.

HALSPAN LIMITED

Regent House, Regent Centre Linlithgow, EH49 7HU UK Tel: +44 (0)1506 827538 Fax: +44 (0)1506 82596

R W Williams Halspan Ltd Tel: 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

DAR METAL INDUSTRIES CO.









#### Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427410

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









#### Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427409

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









### Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427407

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

**Initial registration:** February 13, 2018 **Date of expiry:** December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









#### Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427411

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









#### Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427413

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









#### Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427413

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









#### Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427425

Organization: Dar Metal Industries (Wood Division)

P.O. Box 250183

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

Rivadh

Kingdom of Saudi Arabia

Product: Halspan 60 Minute Fire Rated Prima Plus Enhanced Door

and Frame Assembly

Spec ID: 36183

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









## Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427438

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









## Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427439

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









## Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18-31427442

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

Fire Rating: 30 Minute Fire Rated
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

**Initial registration:** February 13, 2018 **Date of expiry:** December 31, 2021

Issue status: 4

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









## Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18-31427443

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

Fire Rating: 1 Hour Fire Rating
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2021

Issue status: 4

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









## Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18-31427444

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

Fire Rating: 1-1/2 Hour Fire Rating
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2021

Issue status: 4

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com









## Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987), BS 476 Part 20 (1987)

Certificate number: WHI18-31427445

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

Fire Rating: 2 Hour Fire Rated

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2021

Issue status: 4

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## Intertek WH US Mark for Category D - Door/frame Assemblies

Standards: UL 10(c) (2016)

Certificate number: WHI19-31427441

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

Fire Rating: 20 Min w/out Hose Positive Pressure Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: March 13, 2019 Date of expiry: December 31, 2021

Issue status: 3

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## Certificate of Compliance

You have been awarded:

## WH Mark 2013 for WH US + C for Category C - Proprietary Frames

Standards: 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

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

Fire Rating: 20 Min PP Category C Proprietary Frame, 45 Min PP Category C Proprietary Frame, 45 Min NP Fire Doorframe, 60 Min NP Fire Doorframe, 90 Min NP Fire Doorframe, 90 Min PP Category C Standard Frame, 60 Min PP Category C Standard Frame Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

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You have been awarded:

#### Intertek WH US + C Mark for Doors

Standards: 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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2021

Issue status: 4

Authorized By: ______.
Jean-Philippe Kayl, Director of Certification

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## Certificate of Compliance

You have been awarded:

#### Intertek WH US + C Mark for Category C -**Proprietary Frames**

Standards: 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

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

Fire Rating: 60 Min NP Fire Doorframe, 60 Min PP Category C Proprietary Frame

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By: Jean-Philippe Kayl, Director of Certification

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## Certificate of Compliance

You have been awarded:

# Intertek WH US + C Mark for Category B - Doors - Additional Edge-sealing System Required

Standards: UL 10(c) (2009), NFPA 252 (2012), CAN / ULC S104 (2015), UL 10(c) (2016), NFPA 252 (2017)

Certificate number: WHI18-31427416

Organization: Dar Metal Industries (Wood Division)

P.O. Box 250183

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

Rivadh

Kingdom of Saudi Arabia

Product: Warm Springs 60 and 90 Minute Profiled Core Fire Door

Spec ID: 30392

Fire Rating: 90 Min Positive Pressure, 60 Min Positive Pressure

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

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# Intertek WH US + C Mark for Category A - Doors - No Additional Edge-sealing System Required

Standards: UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012), CAN / ULC S104 (2015), UL 10(c) (2016), NFPA 252 (2017)

Certificate number: WHI18-31427415

Organization: Dar Metal Industries (Wood Division)

P.O. Box 250183

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

Rivadh

Kingdom of Saudi Arabia

Product: Warm Springs 45-90 Minute Flush Doors

Spec ID: 30393

Fire Rating: 45 Min Neutral Pressure, 60 Min PP Category A Door, 90 Min Neutral Pressure, 90 Min PP Category A Door, 45 Min PP Category A Door, 60 Min Neutral Pressure Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

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## Certificate of Compliance

You have been awarded:

## Intertek WH US + C Mark for Category C - Proprietary Frames

Standards: 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

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

Fire Rating: 20 Min NP Fire Doorframe

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

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## Certificate of Compliance

You have been awarded:

## Intertek WH US + C Mark for Category C - Proprietary Frames

Standards: 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

Organization: Dar Metal Industries (Wood Division)

P.O. Box 250183

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

Rivadh

Kingdom of Saudi Arabia

Product: Warm Springs 20 Min Fire Door Frame

Spec ID: 30395

Fire Rating: 20 Min PP Category C Proprietary Frame, 20 Min NP Fire Doorframe

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018

Date of expiry: December 31, 2021

Issue status: 4

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## Certificate of Compliance

You have been awarded:

# Intertek WH US + C Mark for Category B - Doors - Additional Edge-sealing System Required

Standards: 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

Rivadh

Kingdom of Saudi Arabia

**Product:** Warm Springs - 20 Minute Solid Core Fire Door

Spec ID: 30396

Fire Rating: 20 Min w/Hose Stream NP, 20 Min w/Hose Positive Pressure

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

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## Certificate of Compliance

You have been awarded:

# Intertek WH US + C Mark for Category A - Doors - No Additional Edge-sealing System Required

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

Certificate number: WHI18-31427421

Organization: Dar Metal Industries (Wood Division)

P.O. Box 250183

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

Rivadh

Kingdom of Saudi Arabia

Product: Warm Springs 60-90 minute Single Swing Sound

Transmission Doorset

Spec ID: 35497

Fire Rating: 20 Min w/Hose Positive Pressure, 45 Min Positive Pressure, 90 Min Positive

Pressure, 60 Min Positive Pressure Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 13, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

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## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427446

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 16, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

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Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427447

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 16, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

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## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-31427448

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

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 16, 2018 Date of expiry: December 31, 2021

Issue status: 4

Authorized By:

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## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS EN 1363-1 (2012), EN 1634-1:2014+A1(2018)

Certificate number: WHI21-31427449

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:** HEZE MAOSHENG - SINGLE SWING TIMBER DOOR AND FRAME ASSEMBLY WITH PARTICLE BOARD DOOR CORE

(MODEL MS-001A)

Spec ID: 53520

Fire Rating: 30 Minute Fire Rated
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 26, 2021 Date of expiry: December 31, 2021

Issue status: 1

Authorized By:

Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc. 545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA Phone: 847-439-5667 Fax: 847-439-7320

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## Certificate of Compliance

You have been awarded:

## WH Service Mark 2014 for Category D - Door/frame Assemblies

Standards: EN 1634-1:2014+A1(2018)

Certificate number: WHI21-31427450

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: HEZE MAOSHENG - SINGLE SWING TIMBER DOOR AND FRAME ASSEMBLY WITH PARTICLE BOARD DOOR CORE

(MODEL MS-002A)

Spec ID: 57415

Fire Rating: 1 Hour Fire Rating
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: February 26, 2021 Date of expiry: December 31, 2021

Issue status: 1

Authorized By:

Jean-Philippe Kayl, Director of Certification

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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 Unglazed 32dB / Rw

**Double Doors** Unglazed 32dB / Rw Glazed 35dB / Rw

Approved Glazing Size (m²) 1.75m²



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#### **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



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



#### 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) 33.5

U-Value(W/m²K) - Heat loss per m² 1.8 (Doorset)

Formaldehyde Release Rating Low ( E1)









## **Prima 44mm**Interior Grade



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



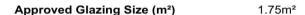


Single Doors Unglazed 33dB / Rw

Glazed 35dB / Rw

**Double Doors** Unglazed 32dB / Rw

Glazed 35dB / Rw



#### 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) 27.7

U-Value(W/m²K) - Heat loss per m² 2.0 (Doorset)

Formaldehyde Release Rating Low ( E1)



FSC* C003410

The mark of





#### Prima 54mm Interior Grade



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



#### 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)



The mark of





#### Halspan 90 64mm Interior Grade



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** 

**Double Doors** 



Single Doors Unglazed 34dB / Rw

Glazed 35dB / Rw Unglazed 33dB / Rw

Glazed 35dB / Rw

Approved Glazing Size (m²) 0.56m²

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





The mark of









## 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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#### **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.)

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







#### **DRAWING INDEX**

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







#### 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.

OMC Chambers, Road Town Tortola, British Virgin Islands

This is a certificate of conformity to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment of their Factory Production Control and are subject to continuing annual assessments of their continued Factory Production Control 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 in the accompanying schedule. This is a certificate of accompanying schedule.

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  $\times$  2438mm (4 ft  $\times$  8 ft) Maximum size of double leaf door: 2438mm  $\times$  2438mm (8 ft  $\times$  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

24 May 2017 Date

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

www.intertek.com







## RAMKOR FD90™



#### 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 <u>towards</u> 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







## 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
Thickness (mm) Density (kg/m³) ±5%	550	580	590	600	620	630



Ramkor FR™ - an FR particleboard made exclusively using poplar hardwood chips, low in weight, with a gross scaled 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



#### Revision I

**v8** May 2010

#### Strebord^o

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

## Strebord® 44

FD3C



#### **Door Cores** with Timber Frames

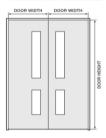
Strebord 44 is suitable for use as a general purpose door core and has been extensively tested (BS476 Pt.22) for FD30 fire door applications.

**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**









Membership No. 064056

#### Single Leaf Doorsets - FD30 Fire Door Applications*

Configuration	Maximum leaf height	Maximum leaf width	Notes
Unlatched single action single leaf doorset	3173 mm	1178mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF
Double action single leaf doorset	3173mm	1178mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF
Latched single action single leaf doorset	3223 mm	1203mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF
Unlatched single action single leaf doorset with flush overpanel	2520 mm	1090 mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF Max. height of overpanel = 2000mm
Double action single leaf doorset with flush overpanel	2520 mm	1090 mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF Max. height of overpanel = 2000mm
Latched single action single leaf doorset with flush overpanel	2570 mm	1115 mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ 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	3009 mm	1075 mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF
Double action double leaf doorset	3009 mm	1075 mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF
Latched single action double leaf doorset	3059 mm	1128mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF
Unlatched single action double leaf doorset with flush overpanel	2320 mm	990 mm	Hardwood or softwood frame of Min. 450Kg/M³ density or 700Kg/M³ MDF Max. height of overpanel = 1500mm
Double action double leaf doorset with flush overpanel	2320 mm	990 mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ MDF Max. height of overpanel = 1500mm
Latched single action double leaf doorset with flush overpanel	2370 mm	1015 mm	Hardwood or softwood frame of Min. 450Kg/M³ density <b>or</b> 700Kg/M³ 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.

#### **Glazing limitations FD30 Doorsets**

GIGZING INTICATIONS I DOS DOSIGOES							
Max. glazing area per leaf	Min. dim. from any edge to nearest sight line of aperture	Min. dim. between sight line of adjacent apertures					
2.66 M ²	100 mm	80 mm					





Strebord® carries either FSC® or PEFC



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







**Revision D v8** May 2010

## Strebord® 54



Strebord 54 is also available for FD90 applications

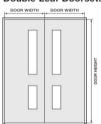
#### **Door Cores** with Timber Frames

**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









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

#### Single Leaf Doorsets - FD60 Fire Door Applications*

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Configuration	Maximum leaf height	Maximum leaf width	Notes		
Unlatched single action single leaf doorset	2455 mm	1080 mm	Hardwood frame of Min. 640Kg/M³ density		
Double action single leaf doorset	2455 mm	1080 mm	Hardwood frame of Min. 640Kg/M³ density		
Latched single action single leaf doorset	2505 mm	1105 mm	Hardwood frame of Min. 640Kg/M³ density		
Unlatched single action single leaf doorset with flush overpanel	2355 mm	1030 mm	Hardwood frame of Min. 640Kg/M³ density Max. height of overpanel = 2000mm		
Double action single leaf doorset with flush overpanel	2355 mm	1030 mm	Hardwood frame of Min. 640Kg/M³ density Max. height of overpanel = 2000mm		
Latched single action single leaf doorset with flush overpanel	2405 mm	1055 mm	Hardwood frame of Min. 640Kg/M³ density Max. height of overpanel = 2000mm		

#### Double Leaf Doorsets - FD60 Fire Door Applications*

Double Leaf Doorsets 1 Doo 1 he 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/M³ density		
Double action double leaf doorset	2330 mm	1017 mm	Hardwood frame of Min. 640Kg/M³ density		
Latched single action double leaf doorset	2380 mm	1042 mm	Hardwood frame of Min. 640Kg/M³ density		
Unlatched single action double leaf doorset with flush overpanel	2155 mm	930 mm	Hardwood frame of Min. 640Kg/M³ density Max. height of overpanel = 1500mm		
Double action double leaf doorset with flush overpanel	2155 mm	930 mm	Hardwood frame of Min. 640Kg/M³ density Max. height of overpanel = 1500mm		
Latched single action double leaf doorset with flush overpanel	2205 mm	930 mm	Hardwood frame of Min. 640Kg/M³ 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

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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.

#### Contact us for more information



**Head Office**Falcon Panel Products Ltd Clock House, Station Approach Shepperton, Middlesex TW17 8AN

T 01932 256 580 E sales@falconpp.co.uk **Tilbury Depot Nottingham Depot** Haydock Depot T 01744 416 600 T 0113 887 2222 **Leeds Depot** 

T 01375 487 300 E tilbury@falconpp.co.uk T 0115 919 2000 E nottingham@falconpp.co.uk West Bromwich Depot T 0121 525 8844 E westbrom@falconpp.co.uk E haydock@falconpp.co.uk

www.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

Btu-in./hr-ft ² -°F		W/m-C		
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 Division: Fire Door Components

Warm Springs, Oregon 97761

USA Date: 3-27-12

Telephone: 001 1 541 553 1143 001 1 541 553 1145 Fax:

N/A = Not applicable or Not Available Issued By: Product Development Office N/K = None Known or Not Known

Department of Transportation Information

HMIS (0 = minimal hazard, 4 = severe hazard) Shipping name: Not Classified

Hazard Class: N/A Health = 1Flammability = 0 ID No: N/A

Reactivity 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

Ingredient Information

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

Chemically Bound Inert 0 to 50

Minerals

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 ( $H_2O = 1$ ): 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/AC. 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. <u>Carcinogenicity:</u> 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.







PO Box 906, Warm Springs, Oregon 97761

(541) 553-1143

### Profile Ready Door Core

**Special Conditions** 

Product Features and	l Specific	ations			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"				
			ITS		
Size Table		45 Min	60 Min	90 Min	
DIEC TUBIC	Single	3/0 x 8/0	3/0 x 8/0	$3/0 \times 7/0$	
	Pair	6/0 x 7/0	6/0 x 7/0	Not Allowed	
	Molded file	perboard, allow	vable thicknes	ss - 1/8" ± .015	<b>)</b> ".
Allowable Skins	Minimum	density - 50 p	cf.		
	Maximum 6 panels up to 435 lineal inches of profile.				
Core	WSCP-412, minimum 1 7/16" thick				
D. II.	Tectonite	(minimum 2")	with veneer e	dge band for C	ategory B.
Rails	Tectonite	(minimum 2"),	intumescent,	and veneer ed	lge band for Cat. A.
	Anti-Fire	Composite wit	h wood edge b	and. (45-60 or	nly)
Stiles	1" Tectonite with wood edge band.				
Stiles	Intumesco	ent can be add	led for Catego	ry A.	
	3" Tectoni	te stile require	ed 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				
	Cylindrica	Cylindrical latch set, mortised automatic flush bolts.			
** 1	Mortised or surface mounted rim type fire exit hardware.				
Hardware	C				

Surface mounted closures.

employees.

4 point latching required for 60 minute paired openings.
90 minute construction must be banded, profiled and

proprietary coating within profile applied by certified Warm Springs







PO Box 906, Warm Springs, Oregon 97761

Description

(541) 553-1143

#### Tectonite

### **Product Features and Specifications**

Tectonite is	9	orev	ir

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.

	Panel Sizes		4' X 8' & 4' X 10'	
	Moisture Content		< 6%	
	Thickness - Ma		2.125"/.5" Finished	
	Density	AA/ WIIII	61-72 Lbs./Cubic Foot	
Specifications	Screw Withdray	wal - Face	Exceeds WDMA I.SIA	
	Modulus of Rup		900+ psi	
	Shrinkage - Av	*	4.4% (ASTM E C356)	
	Compressive S		1586+ psi	
Thermal Conductivity		u-in./hr-ft ² ⁰ F	W/m-°C	
		6 °F 1.33	204°C 0.089	
&	16	32 °F 1.36	430°C 1.129	
TT 4 M	(ASTM E 152	?) ( ⁰ F) Unexposed Surface	0	
Heat Transfer	Rise Above Ambient 1.5" Panel		193 [°] F	
	Composition		Reinforced mineral composite	
Characteristics	Storage Tempe	rature Range	0-45°C	
Characteristics	Storage Humid	lity Range	20-80% - Keep Dry	
	Fire Approvals		UL 10(c) (2009)/CAN/ULC S104-10	
	Surface Adhesion  Does not require pre-treatment for bonding.		999 (25)	
	Heat Transfer	Less heat transfer than co	omparable products	
Benefits	Density	Less weight compared to	competing products.	
	Stability	Easily surfaced and very s	stable in a finished door	
	Tool Wear Easier to machine and less t products.		s tool wear than comparable	
Adhesives	Multiple adhes	sives are approved, check v	with Warm Springs for details.	
Storage and	Store horizonta	ally on even surfaces suppo	orting the entire panel.	
Handling	Use reasonable care in handling and transporting panel.			
Availability	Only available from Warm Springs Composites.			









# 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

), Jaster 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 recovered by the accreditation certification 012

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### **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







### **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:

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

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 <a href="https://www.bmtrada.com">www.bmtrada.com</a> at <a href="https://www.bmtrada.com">www.bmtrada.com</a>

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### **Registration Schedule**

Branch
Warm Springs Composite Products

Address
PO Box 906
Warm Springs
OR 97761
USA

### Scope

Tectonite Range - Composite Door Blank







PO Box 906, Warm Springs, Oregon 97761

(541) 553-1143

### 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

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







### **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.







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







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







### **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.

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### WSCP - 412 Fire Core

Deadmat	Fastures	4	<b>Specifications</b>
Product	reatures	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  $4/0 \times 8/0$  and up to  $8/0 \times 8/0$  for pair doors. Multi piece core of up to 5 parts are allowed in fire approvals.

	approvals.			
	Moisture Conte	ent	< 6%	
	Maximum Serv	rice Temperature	1,900 °F	
	Thickness/Pan	iel Size	Up To 2.125"/ 34" x 82"	
	Density		20 +/-2 Lbs./Cubic Foot	
Specifications	Hardness		70-80 Dur. (ASTM D-2440 Type 0)	
	Ambient MOR/	@1900 °F for 12 Hrs.	109.1 psi/29psi	
	Linear Shrinka	ge @ 1900 °F for 24 Hrs.	< 1.5%	
	Compressive S	trength at 10%	No Heat - 96.64 psi	
	Compression		24 Hrs. @ 1900°F - 6.52 psi	
	Bt	u-in./hr-ft ^{2 0} F	W/m-°C	
	40	00 °F .62	204°C 0.089	
Thermal Conductivity	800 °F .90		430°C 1.129	
Thermal conductivity	1,000 °F 1.1		540°C 1.158	
	1,3	300 °F 1.31	690°C 1.188	
	1,500 °F 1.38		801°C 0.198	
	Composition		Man made vitreous fiber	
Characteristics	Storage Tempe	rature Range	0-45°C	
	Storage Humid	ity Range	20-80% - Keep Dry	
	Fire Approvals		UL 10(c) (2009)/CAN/ULC S104-10	
	Surface Adhesion Low dust, does not require pre-tr		e pre-treatment for bonding.	
Benefits	Low Density Very low weight compared		l to competing products.	
	Stability Easy to sand and very stab		ble in a finished door	
Adhesives	Multiple adhesives are approved, check with Warm Springs for details.			
Storage and	Store horizontally on even surfaces supporting the entire panel.			
Handling	Use reasonable care in handling and transporting core.			
Availability	Only available from Warm Springs Composites.			













### 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 adept 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: -

- Gases or vapours. These could include solvent evaporation during the drying period, or perhaps formed during heating of the painted object.
- Liquids in the paint. These might be solvents, or perhaps binders, which may be toxic of swallowed or inhaled as spray droplets, or dermatitis or toxic in contact with the skin.
- 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:-

- Fire risk during storage or transport. Most paints other then 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 of 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

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FACTORY

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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 10°C.
- 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 tha subsequent coatings.
- 10. Make sure that the support is completely dry and that the surface temperature is greater than 5°C and below 35°C
- 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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## 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 Relative humidity	5~35°C 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 m²/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 rechecked 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 ate medical advise.

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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	400
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
	7-8 m ² /L
Coverage	( 120 gms/m²)
Pencil hardness	НВ-Н
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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### 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 Relative Humidity	5 ~ 35°C Max. 85%
Application Method	Auto or Conventional Spray
Recommended Catalyst	Catalyst # 054
Thinner	PU Thinner # 105/205
Mixing Ratio (wt%) (FC # 4 13 ~ 15 sec.)	Base : Hardener : Thinner 100 75 25 ~ 30
Pot Life (20°C)	3 ~ 4 hrs.
Drying Time Dust Free To Touch To Recoat Hard	15 – 20 min. 30 – 45 min. 1 - 2 hrs. 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.

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

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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 Relative Humidity Application Method	5 ~ 35°C Max. 85% 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  To Touch  To Recoat  Hard	20 – 25 min. 30 – 45 min. 2 – 3 hrs. 24 – 36 hrs.	
Coating Rate	12 ~ 14 m²/lit. (80-120gms/m²)	
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:

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 Application Method	5 ~ 35°C Max. 85%
	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 (2 ⁰ C)  Dust Free  To Touch  To Recoat  Hard	20 – 25 min. 30 – 45 min. 2 – 3 hrs. 24 – 36 hrs.
Coating Rate	12 ~ 14 m²/lit. (80-120gms/m²)
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

✓ ppearance	Transparent liquid		quid
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		5/205
Mixing ratio (%V) (Visc.= 13-15" FC # 4)	Base : Hardener : Thinner 100 : 100 : 25-30		
Pot life (25°C)		3 - 4 hours	3
Drying time ( 25°C) Dust free To touch To recoat Hard		20 – 25 mii 30 – 45 mii 2 – 3 hours 4 – 36 hou	n .
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		however, t can be wet if nding with ipaper is before t when

### **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:

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 Application method	5~35°C 85% max. 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 m²/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:

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 Relative Humidity	5 ~ 35°C 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  To Touch  To Recoat  Hard  Sandable	20 – 30-min. 35 – 45 min. 2 – 3 hrs. 24 – 36 hrs. 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	
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 a 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 Relative humidity	5 ~ 35°C 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 To touch Recoat hard	15 – 17 min 45 – 60 min 2 – 3 hours 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.

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## 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.

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 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.

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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.

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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 m² 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.

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









### FIRE RETARDANT R-450

### General Description:

R 450 is a two component antifire intumescent polyurethane paint in the following versions.

Clear Basecoat

R 450 - Base (2:1) 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:**

K 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

35" DIN Cup # 4 6 hrs.
700/
72%
20°C
45 min.
2 hrs.
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 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	n: Brush, Roller and Spray
	itional Spray
Nozzle orifice	2 – 3 mm.
Nozzle pressure	43 – 57 psi.
Dilution	Not recommended
A	irless
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 flaming droplets/particles. to 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

### 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

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











# **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 li	
Specific Weight	1.0 kgs.
Flash Point	21°C
Coverage / Coat	$7-8 \text{ m}^2/\text{lit.}$
	A STATE OF THE PARTY OF THE PAR

## **Mixing Ratio:**

100% By Volume	
50% By Volume	
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.

## Storage:

Store in cool areas below 25°C. 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.

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:

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

TEL: 06 - 5328533, FAX 06 - 5328610

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











# لصناعة الاصباغ 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 do.

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.

PAINTS

MAS Paints & Chemical Ind.

ABU DHABI: PO BOX 32158 MUSSAFAH TEL: 02 5542702 FAX: 02 5542710

SHARJAH: PO BOX 23085 SHJ. IND'L AREA TEL: 06 5328533 FAX: 06 5328610

ROSTAMANI PO BOX 23085 SHJ. IND'L. AREA 15 TEL: 06 5344880 FAX:06 5344774 -mail: masuae@emirates.net.ae; website: www

DUBAI: PO BOX 23085 AL QUOZ AREA TEL:04 3479242 FAX:04 3478494

AL AIN: PO BOX 23085 SINAIYAH TEL:03 7221511 FAX:03 7221713















# **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 enduse 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 of 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, Howerver, 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. Howerer, 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 ahd 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 Helath 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 RECENT & 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	КАР5	Fire Rated and Non-fire rated Wooden door, Cladding, Skirting & Interior Decorative	NAJRAN, ALBAHA, JIZAN & AL ASSEER
4	CRCC	КАР5	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	АВНА
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
10	FAWAZ AL HOKAIR	FARE OFFICE – SPRING TOWER	Wooden Doors	RIYADH
11	MANAHIL HOLDINGS	HOTEL APARTMENT – DIEM MANAHIL	Wooden Wardrobe, Corner caping, vanity lamination	RIYADH
12	MOBCO & PECSA JOINT VENTURE	CITADINES HOTEL	Wooden Doors & Frame	АВНА





# **LIST OF RECENT & ONGOING PROJECTS**

SL#	COMPANY	PROJECT	SCOPE OF WORKS	LOCATION
13	SAUDI CO.	SOUFIYAN VILLA	Wooden Doors & Frames	RIYADH
14	PRINCESS AL ANOUD FOUNDATION	AL ANOUD THIRD TOWER	Metal Doors	RIYADH
15	QUALITY INVENTION FACTORY – QIFCO	PRIVATE PROJECT	Wooden Doors	RIYADH
16	TELAD INVESTMENT	SOUTH BORDER – NAJRAN PROJECT	Door Leaf	NAJRAN
17	KOWAT AL NAHDAH RENAISSANCE FORCE CO.	RENOVATION OF LIGHT SECURITY BUILDING	Wooden Doors	АВНА
18	AL DAFE TRADING & CONTRACTING	SOUTH BORDER	Wooden Doors	NAJRAN
19	CAP FRANCE	KAYF MOFT 526	Wooden Doors with Metal Frame	RIYADH
20	MALEEMM MASHOOKA	RENNOVATION – HEALTH AFFAIRS	Wooden Doors & Frame	TAIF





# LIST OF EXECUTED PROJECTS

SL#	PROJECTS / WORKS	CONTRACTOR / OWNER	CONSULTANT
1	GPS 2- NEAR LHPR RIYADH  • WOODEN DOORS  • WOODEN CLADDING  • WOODEN COLUMN  • WOODEN CABINET  • WOODEN TECHNICAL DOORS  • WOODEN SKIRTING	SAUDI OGER LTD., RIYADH	AL RASHED
2	YAMAMA FAMILY VILLAS- RIYADH  • WOODEN DOORS  • WOODEN CABINET  • WOODEN SECURITY COUNTER  • WOODEN SKIRTING	SAUDI OGER LTD., RIYADH	AL RASHED
3	INTERNATIONAL CONVENSION CENTER - JEDDAH  • WOODEN DOORS  • WOODEN CABINET  • WOODEN SECURITY COUNTER  • WOODEN SKIRTING	SAUDI OGER LTD., RIYADH	AL RASHED
4	N.B.A VILLA  • 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	SAUDI OGER LTD.,	AL RASHED
	WOODEN DOORS	RIYADH	AL MASILED
	WOODEN PERGOLA		
	WOODEN CABINET		
	WOODEN PERQUET		
	DENGLON EUND A CENCY	CALIDI OCED L'ED	DEEAH
6	PENSION FUND AGENCY	SAUDI OGER LTD.,	BEEAH
	WOODEN PANELS	RIYADH	
	WOODEN PERGOLA		
	WOODEN BENCH		
	WOODEN MASHRABIA		
	WOODEN SKIRTING     WOODEN SCANFER		
	WOODEN COUNTER		
7	HALF MOON BAY,	SAUDI OGER LTD.,	SAUDI DIYAR
,	AL KHOBAR	RIYADH	
	WOODEN DOORS		
	WOODEN SKIRTING		
	WOODEN PANELS		
	WOODEN TECHNICAL DOORS		
	WOODEN CEILING		
0	COLUMN ADMOD TERRAM	CAUDI OCED I ED	AL DAHGED
8	SOUTH OBHOR, JEDDAH	SAUDI OGER LTD., RIYADH	AL RAHSED
	WOODEN GOORS	KIYADH	
	WOODEN SKIRTING		
	WOODEN PANELS		
9	NAEEM VILLA, JEDDAH	SAUDI OGER LTD.,	AL RAHSED
	• WOODEN DOORS	RIYADH	
	WOODEN SKIRTING	_	
	WOODEN PANELS		
	WOODEN TECHNICAL DOORS		





SL#	PROJECTS / WORKS	CONTRACTOR / OWNER	CONSULTANT
10	EMAR SHOW ROOM	SAUDI OGER LTD.,	AL RASHED
	WOODEN DOORS	RIYADH	
	WOODEN SKIRTING		
	WOODEN PANELS		
11	OGER SYSTEMS, RIYADH	SAUDI OGER LTD.,	AL RASHED
	• WOODEN DOORS	RIYADH	112 111 1012
	WOODEN COUNTER		
	• WOODEN PANELS		
12	H.O.B AL KHOBAR	CAUDI OCED L'ED	AL DACHED
12	• WOODEN DOORS	SAUDI OGER LTD., RIYADH	AL RASHED
	WOODEN COUNTER	KITADII	
	• WOODEN COUNTER		
13	RAFIC ALHARIRI TECHNICAL	SAUDI OGER LTD.,	AL RAHSED
	TRAINING INSTITUTE	RIYADH	
	• WOODEN DOORS		
1.4	DIDIVALI CAMB DIVADII	CAUDI OCED LED	AL DAUGED
14	DIRIYAH CAMP, RIYADH	SAUDI OGER LTD.,	AL RAHSED
	• WOODEN DOORS	RIYADH	
15	SOGEX CAMP, JEDDAH	SAUDI OGER LTD.,	AL RASHED
	• WOODEN INTERNET CAFÉ	JEDDAH	
	WOODEN COUNTER		
	WOODEN SKIRTING		
16	LANADDINAH FADM	CAUDI OCED LED	AL DACHED
16	JANADRIYAH FARM	SAUDI OGER LTD., RIYADH	AL RASHED
	WOODEN DOORS     WOODEN SKIRTING	ΜΙΑΝΠ	
	WOODEN SKIRTING     WOODEN PANELS		
17		CAUDIOCEDITO	AT DACHED
17	YAMAMA PALACE, RIYADH	SAUDI OGER LTD., RIYADH	AL RASHED
	WOODEN DOORS	MIADII	





SL#	PROJECTS / WORKS	CONTRACTOR / OWNER	CONSULTANT
18	SAMARIYA FARM	SAUDI OGER LTD.,	AL RASHED
	WOODEN DOORS	RIYADH	
	WOODEN COUNTER		
	WOODEN BOOK CASE		
	WOODEN PARQUET		
	WOODEN DRESSING CLOSET		
	WOODEN VANITY		
	WOODEN PERGOLA		
	• WOODEN PARAPET		
	WOODEN CLADDING		
	WOODEN HANDRAILS		
19	PRINCE METAAB	SAUDI OGER LTD.,	AL RASHED
	RESIDENCE, JANADRIYA	RIYADH	
	WOODEN DOORS		
	WOODEN DRESSING CLOSET		
	WOODEN TV CABINET		
	WOODEN SKIRTING		
	WOODEN PANELS		
20	PRINCESS NOUF BIN	SAUDI OGER LTD.,	AL RASHED
20	ABDULLAH RESIDENTIAL	RIYADH	AL KASHED
	VILLA, RIYADH	Kilibii	
	• WOODEN DOORS		
	WOODEN CABINET		
	WOODEN TV CABINET		
	WOODEN SKIRTING		
21	AZIZIAH ISLAND, JEDDAH	SAUDI OGER LTD.,	AL RASHED
	WOODEN DOORS	JEDDAH	
	WOODEN SKIRTING		
	WOODEN PANELS		
	WOODEN TECHINICAL DOORS		





SL#	PROJECTS / WORKS	CONTRACTOR / OWNER	CONSULTANT
22	RAWDA-16 (15 VILLAS)  • WOODEN DRESSING CLOSET  • WOODEN VANITY  • WOODEN SKIRTING  • WOODEN TECHNICAL DOOR  • WOODEN CURTIAN BOX	SAUDI OGER LTD., RIYADH	AL RASHED
23	RAWDA-24 (6 VILLAS)  • WOODEN DOOR  • WOODEN DRESSING CLOSET  • WOODEN SKIRTING  • WOODEN TECHNICAL DOOR	SAUDI OGER LTD., RIYADH	AL RASHED
24	H.O.B – RIYADH  • WOODEN COUNTER  • WOODEN SKIRTING	SAUDI OGER LTD., RIYADH	AL RAHSED
25	<ul> <li>H.O.T</li> <li>WOODEN DOORS</li> <li>WOODEN SECURITY DOORS</li> <li>WOODEN SECURITY COUNTER</li> <li>WOODEN WINDOW</li> </ul>	SAUDI OGER LTD., RIYADH	AL RAHSED
26	FAHD BIN ABDUL AZIZ VILLA (FBA, RIYADH)  • WOODEN DOORS  • WOODEN DRESSING CLOSET  • WOODEN TECHNICAL DOOR  • WOODEN SKIRTING	SAUDI OGER LTD., RIYADH	AL RAHSED
27	<ul><li>YAMAMA PALACE, JEDDAH</li><li>WOODEN PARQUET</li><li>WOODEN SKIRTING</li></ul>	SAUDI OGER LTD., RIYADH	AL RAHSED





SL#	PROJECTS / WORKS	CONTRACTOR / OWNER	CONSULTANT
28	AZIZIAH PALACE ALKHOBAR  • WOODEN DOORS  • WOODEN DRESSING CLOSET  • WOODEN VANITY  • WOODEN CLADDING  • WOODEN SKIRTING	SAUDI OGER LTD., PRINCE SULTAN AREA, AL KHOBAR	AL RASHED
29	<ul> <li>WOODEN CURTAIN BOX</li> <li>BIG RAKKAH PALACE,</li> <li>AL-KHOBAR</li> <li>WOODEN DOORS</li> <li>WOODEN DRESSING CLOSET</li> <li>WOODEN VANITY</li> <li>WOODEN CLADDING</li> <li>WOODEN SKIRTING</li> <li>WOODEN CURTAIN BOX</li> </ul>	SAUDI OGER LTD., PRINCE SULTAN AREA, AL KHOBAR	AL RASHED
30	AL TOBEISHI VILLA COMPOUND (4 VILLAS)  • WOODEN DOORS  • WOODEN SKIRTING	SAUDI OGER LTD., RIYADH	AL RASHED
31	OMAR AL JORAIDE  • WOODEN DOORS  • WOODEN CORBEL  • WOODEN SKIRTING	SAUDI OGER LTD., RIYADH	AL RAHSED
32	ABU AL KAMAL – RESIDENTIAL VILLA  • 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	<ul><li>KING PALACE, JEDDAH</li><li>WOODEN PARQUET</li><li>WOODEN SKIRITNG</li></ul>	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 • WOODEN DOORS	SAUDI BIN LADEN GROUP	SAUDI DIYAR
	<ul><li>WOODEN VANITY</li><li>WOODEN CEILINGS</li><li>WOODEN SKIRTING</li><li>WOODEN DRESSING CLOSET</li></ul>		
40	DARIYAH FARM-BLDG 015  • WOODEN DOORS  • WOODEN VANITY  • WOODEN SKIRTING  • WOODEN DRESSING CLOSET	SAUDI BIN LADEN GROUP	SAUDI DIYAR
41	PRINCE KHALED BIN SULTAN BLDG-004 • WOODEN DOORS	SAUDI BIN LADEN GROUP	SAUDI DIYAR
42	PRINCE KHALED BIN SULTAN BLDG-005 • WOODEN DOORS	SAUDI BIN LADEN GROUP	SAUDI DIYAR
43	PRINCE KHALED BIN SULTAN BLDG-026  • WOODEN DOORS  • WOODEN DRESSING CLOSET	SAUDI BIN LADEN GROUP	SAUDI DIYAR
44	PRINCE KHALED BIN SULTAN BLDG-001 (MAIN VILLA) • WOODEN DOORS	SAUDI BIN LADEN GROUP	SAUDI DIYAR





SL#	PROJECTS / WORKS	CONTRACTOR / OWNER	CONSULTANT
45	PRICE NAWAF (BIN PRINCE SULTAN)  • WOODEN CLADDING  • WOODEN DRESSING CLOSET  • WOODEN VANITY  • WOODEN STAIRS  • WOODEN PANEL FOR TV	SAUDI BIN LADEN GROUP	SAUDI DIYAR
46	DAR ARRIYADH  • WOODEN HANDRAIL	SPECIALIZED CONSTRUCTION CO.	PRIVATE
47	NASER AL RASHED  • WOODEN HANDRAIL	SPECIALIZED CONSTRUCTION CO.	AL RAHSED
48	HYPAR PANDA  • WOODEN HANDRAIL	SPECIALIZED CONSTRUCTION CO.	PRIVATE
49	SALMOC  • WOODEN HANDRAIL  • WOODEN COUNTER TOP	SPECIALIZED CONSTRUCTION CO.	PRIVATE
50	<ul><li>ALHUKBANI EST SHOWROOM</li><li>WOODEN DOORS</li><li>WOODEN CLADDING</li></ul>	SPECIALIZED CONSTRUCTION CO.	PRIVATE
51	AL DOBAIYAN JEWELLERY SHOW ROOM (GRANADA CENTER)  • WOODEN DOORS  • WOODEN CLADDING  • WOODEN COUNTER  • WOODEN DRESSING CLOSET  • WOODEN BENCH	SPECIALIZED CONSTRUCTION CO.	PRIVATE





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52	FAHAD BIN SULTAN – JUBAILAH  • 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  • WOODEN DOORS  • WOODEN CLADDING  • WOODEN COUNTER  • WOODEN DRESSING CLOSET  • WOODEN VANITY  • WOODEN OFFICE	KASSIB INTERNATIONAL / SMANDI INTERIORS	PRIVATE
54	<ul> <li>DR. HAMMADEH VILLA 1 &amp; 2</li> <li>WOODEN DOORS</li> <li>WOODEN CLADDING</li> <li>WOODEN COUNTER</li> <li>WOODEN DRESSING CLOSET</li> <li>WOODEN VANITY</li> <li>WOODEN OFFICE</li> </ul>	KASSIB INTERNATIONAL / SMANDI INTERIORS	PRIVATE
55	<ul> <li>SWICORP-KINGDOM TOWER</li> <li>WOODEN DOORS</li> <li>WOODEN CLADDING</li> <li>WOODEN COUNTER</li> <li>WOODEN CABINET</li> <li>WOODEN VANITY</li> <li>WOODEN OFFICE</li> </ul>	AL MERJAL CO.	PRIVATE





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56	MOBILY CENTER – FAHDA CENTER  • WOODEN DOORS  • WOODEN STAIRS  • WOODEN HANDRAIL  • WOODEN PARQUET  • WOODEN SKIRTING	ZUHAIR A ZAHRAN EST.	AL ZAHRAN
57	<ul><li>MOBILY CENTER - MALAZ</li><li>WOODEN DOORS</li><li>WOODEN SKIRTING</li></ul>	ZUHAIR A ZAHRAN EST.	AL ZAHRAN
58	<ul><li>MOBILY CENTER - SUWAIDE</li><li>WOODEN DOORS</li><li>WOODEN WINDOW</li><li>WOODEN SKIRTING</li></ul>	ZUHAIR A ZAHRAN EST.	AL ZAHRAN
59	MOBILY CENTER - JARIR  • WOODEN DOORS  • WOODEN SKIRTING	ZUHAIR A ZAHRAN EST.	AL ZAHRAN
60	<ul><li>MOBILY CENTER - HAYEL</li><li>WOODEN DOORS</li><li>WOODEN SKIRTING</li><li>WOODEN WINDOW</li></ul>	ZUHAIR A ZAHRAN EST.	AL ZAHRAN
61	<ul><li>RESIDENTIAL VILLA</li><li>WOODEN DOORS</li><li>WOODEN DRESSING CLOSET</li><li>WOODEN VANITY</li></ul>	ZAHRAT AL ZAHRA EST.	PRIVATE
62	AL ZAHRA MAIN OFFICE  • 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 NAJRAN • WOODEN DOORS	ZAHRAT AL ZAHRA EST.	PRIVATE
67	<ul> <li>ZUHAIR SALEM</li> <li>WOODEN DOORS</li> <li>WOODEN VANITY</li> <li>WOODEN DRESSING CLOSET</li> <li>WOODEN PARAQUET</li> <li>WOODEN CLADDING</li> <li>WOODEN PANEL FOR TV</li> </ul>	CON MANAGEMENT	PRIVATE
68	BAKIR BIN AHMED AL TURKEY RESIDENTIAL VILLA  • WOODEN DOORS  • WOODEN DRESSING CLOSET  • WOODEN BED  • WOODEN FURNITURES	CON MANAGEMENT	PRIVATE





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69	RESIDENTIAL VILLA COMPOUND (6 VILLAS)  • WOODEN DOORS  • WOODEN DRESSING CLOSET  • WOODEN VANITY  • KITCHEN	AL OMAWER EST.	PRIVATE
70	MAIN OFFICE  • WOODEN DOORS  • WOODEN CLADDING  • WOODEN VANITY	AL OMAWER EST.	PRIVATE
71	ABAIL KHAIL VILLA  • 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	<ul> <li>WOODEN OFFICE</li> <li>WOODEN DOORS</li> <li>WOODEN COUNTER</li> <li>WOODEN DRESSING CLOSET</li> <li>WOODEN SKIRTING</li> </ul>	AL MUHAYEL INVESTMENT GROUP	PRIVATE
73	• WOODEN DOORS	CCE LTD.	PROJACS
74	AL HABIB HOSPITAL  • WOODEN DOORS	EBRAHEM ABALKHAIL	PRIVATE





SL#	PROJECTS / WORKS	CONTRACTOR / OWNER	CONSULTANT
75	REBDI BROTHERS RESIDENTIAL VILLAS  ABDUL RAHMAN AL REBDI VILLA  • WOODEN DOORS  • WOODEN DRESSING CLOSET  ALI F. AL REBDI VILLA  • WOODEN DOORS  REBDI AL REBDI VILLA  • WOODEN DOORS	PRIVATE	PRIVATE
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





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79	SHEIK HUSSAM AL RASHEED PRIVATE PALACE  • WOODEN DOORS  • WOODEN CLOSETS  • WOODEN VANITY	SHEIK HUSSAM AL RASHEED	PRIVATE
80	AL OMAEIR HOTEL AL KHOBAR  • WOODEN DOORS	AL OMAWER EST.	PRIVATE
81	MOHAMED SBITAN PRIVATE VILLA  • WOODEN DOORS  • WOODEN CLOSETS  • WOODEN VANITY  • WOODEN CEILING	MOHAMED SBITAN	PRIVATE
82	SHEIK OMAR AL BLAHEED MOSQUE  • WOODEN DOORS  • WOODEN CLOSETS  • WOODEN VANITY  • WOODEN MASHRABIAH  • WOODEN MIHRAB	AL OWAIDI INTERIORS	PRIVATE
83	RIYADH PARK MALL - RIYADH  • WOODEN KIOSKS  • WOODEN CEILING  • WOODEN PERGOLA  • WOODEN TRELLIS  • Etc.	ASALA HOLDINGS	PROJACS





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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	<ul><li>KAP-5 PROJECTS</li><li>WOODEN DOORS</li><li>WOODEN DECORATIVE ITEMS</li></ul>	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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