



شركة مصنع الأعمال
الخشبية الحديثة

MODERN WOODWORKS
FACTORY Co.

QUALITY GUARANTEED

OVER **60 YEARS**
OF SERVICES...

www.mww.com.sa

01

QUALITY
GUARANTEED

شركة مصنع الأعمال الخشبية الحديثة
MODERN WOODWORKS FACTORY Co.



THE LEADING WOODWORKS MANUFACTURING COMPANY IN KINGDOM OF SAUDI ARABIA





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COMPANY INTRODUCTION

It is with great pleasure and pride for us to introduce our company MODERN WOODWORKS FACTORY, a leading furniture manufacturing unit based in 2nd Industrial City, Dammam, Saudi Arabia and with a sound practical experience of more than Sixty (60) years in the Kingdom of Saudi Arabia.

We are specialized in the production of solid paneled doors, decorative doors, veneered and marquetry designed doors, flush doors, folding doors, Wardrobes / closets, kitchen cabinets and furniture for hotels and homes and work top designed according to the architects and clients' requirements.

In 2002, a new plant was established when most of the production process was introduced with latest computerized data command and process, CNC Flexicam and erection of new painting plant with its separate building along with a quality controlled inspection system to maintain the highest standard of quality. The combination of expertise in wood-handling and finishing with usage of the best quality imported raw material has made possible for us to get continuous achievements in quality and to meet our slogan "A Commitment to Excellence". It is also the part of our commitment to supply a complete service to the customer all over the Kingdom, from unit production and process to a complete project.

We have served major projects for Government and Private sectors in the Kingdom and the G.C.C. such as SAUDI ARAMCO, SAUDI ROYAL ARMY, SAUDI ROYAL NAVY, SAUDI ROYAL AIRFORCE and many other sectors such as shops and private villas/palaces.

MODERN WOODWORKS is also registered with ROYAL COMMISSION, SCECO as one of the qualified suppliers for quality furniture and wood product and registered as a contractor with SAUDI ARAMCO and has served in many of the projects with them.

In future, the company's plan is to go on developing new constructions and designs in wooden furniture for which it is famous and adapting them to suit the changing demands of its customers.

We are extremely hopeful for developing a new business relationship with you and want to enlist you as our most favorable client.



MESSAGE FROM CHAIRMAN

Modern Woodworks Factory (MWW) is now considered one of the oldest woodworks & furniture manufacturers in the Kingdom of Saudi Arabia. Since the launch of MWW in 1960, it has gradually grown and is now the largest woodworks company. Our focus is to enforce strict safety standards and government laid rules and regulations and ensures compliances at all levels for a sustainable growth.



At MWW, we appreciate each one of our customers and strive hard to offer 100% customer satisfaction. Our success lies in adopting to the latest technological standards and building strong relationships with our clients. We have diversified our operations by upgrading our machinery, developing our team, and upgrading our factory to keep up with the modern requirements. I would like to specially acknowledge all the team members who have been on the forefront of this success.

In the end, I would emphasize that to maintain our position and to be recognized as a market leader in each region and sector in which we operate, we have to keep delivering excellence through the professionalism and quality of our people, products and services.

Thank you...

Sheikh Salem H. Al-Shadi
Chairman



MESSAGE FROM CEO

Dear Customer,

Modern Woodworks Factory has been a by-word in the field of manufacturing wooden products over Sixty (60) years. We emerged from shop fittings and continued to be a major interior designer. This little plant has been turned into a large tree with branches of its own. Now, it has been spread all over Kingdom of Saudi Arabia.



We are not only covering manufacturing wood working jobs but have hardware suppliers, too. Major projects during 2011 – 2019 were basically covering special projects and contract works in which approximately 2,249,000 man hours were used. The above figure indicates a growth rate of 30% more than the year 2010. Our new export division started with lots of deluxe furnished suites and major hotel projects.

When you deal with Modern Woodworks, you deal with a company dedicated to getting the job done right. I sincerely hope that our company can establish a long standing business relation with your company and this letter may bring us across the table to build-up a beautiful fortress of friendship and trust from where an effective business relationship will emerge.

Best regards,

Samer M. Gamal
Chief Executive Officer



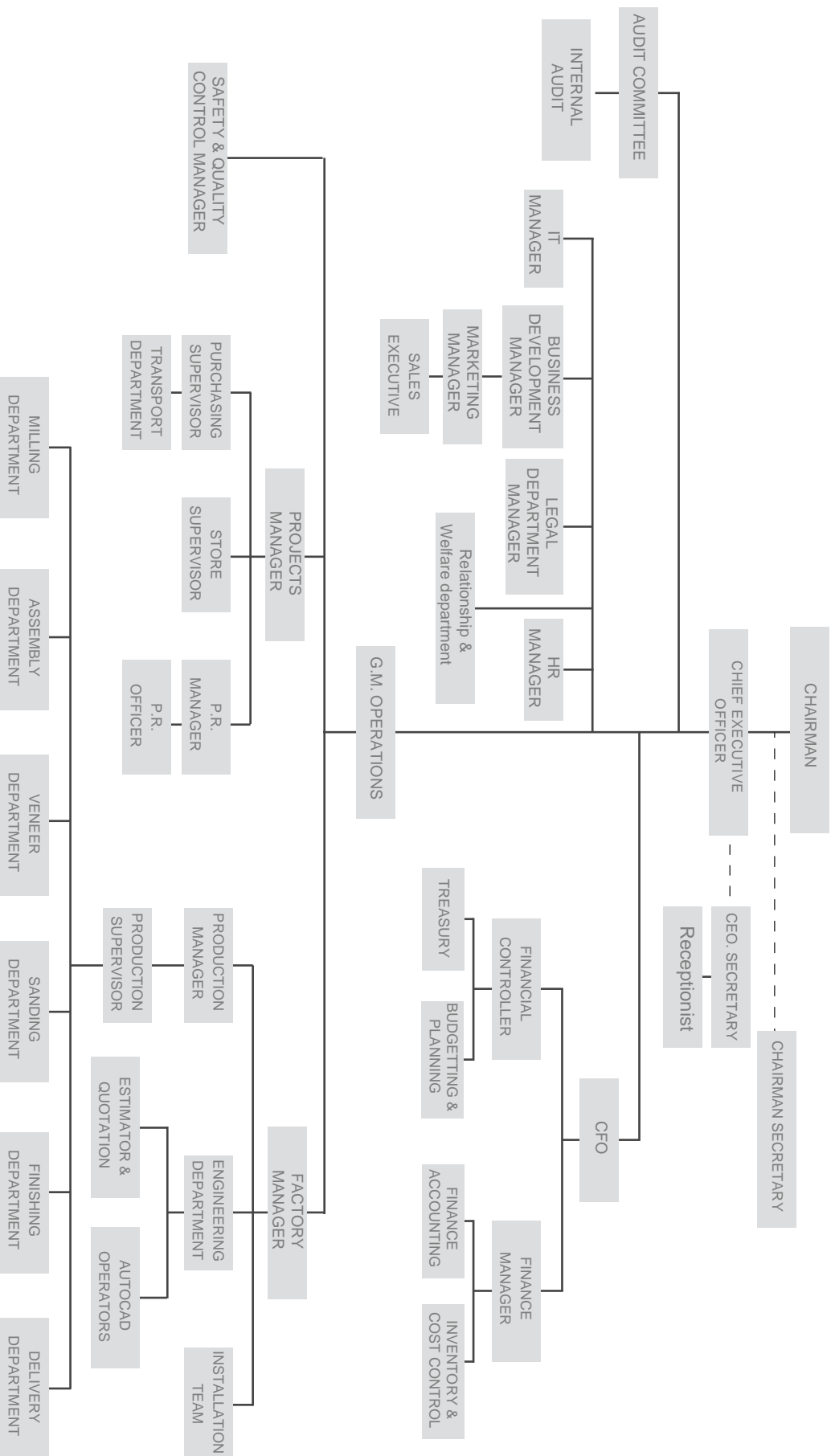
COMPANY ADDRESS

Name of Company	:	MODERN WOODWORKS FACTORY
Established	:	1960 (1380)
C. R. No.	:	2050047860
Plant	:	2nd Industrial City, Dammam
Head Office	:	P.O. Box 879 AL-KHOBAR 31952 SAUDI ARABIA TEL. # 013 812 3551 / 013 812 3552
E-mail	:	info@mww.com.sa
Website	:	http://www.mww.com.sa
Coordinates	:	26.232027785264314, 49.97959243924839





ORGANIZATIONAL CHART





STAFF & WORKERS

MANAGEMENT	08
STAFF	16
TECHNICAL ENGINEER	03
DESIGNERS	05



SUPERVISOR	07
SKILLED LABOUR	55
SEMI-SKILLED LABOUR	74
LABOUR	20
TOTAL	203

PRODUCTION CAPACITY

6,500 m³ / YEAR



DETAILS of PLANT MACHINERIES & EQUIPMENT



DETAILS of PLANT MACHINERIES & EQUIPMENT

- HOLZER COMPUTER PRESSURE BEAM SAW MACHINE.
- AUTO EDGE BANDER-TRIMMING-CUTTING-SANDING PVC AND SOLID WOOD LIPPING. (25mm x 65mm).
- AUTO ROUTER-DROP HEAD WITH AUTO COPY DEVICE.
- AUTO SLICER VENEER 600mm.
- BELT SANDER. TWO DRUM SANDER 1100mm WIDE.
- THICKNESSER
- AUTO PLANER.



- AUTO MULTI BORING. DOUBLE HEAD FOR KNOCK DOWN SYSTEM.
- AUTO LOUVER FOR LOUVER DOORS.
- COMPUTERIZED MOLDER, FOUR SIDED PLANER & MOLDER (MAXIMUM WIDTH 240mm x 180mm HEIGHT)
- AIRLESS SPRAY (2 Nos.)
- RADIAL ARM SAW, 1100mm (1 No.)
- HEAVY DUTY COMPRESSOR 1000 lt. 20HP + 20HP.



- AIR PRESSURE NAILERS (20 Nos.)
- AIR PRESSURE STAPLE GUNS (10 Nos.)
- SHARPENING AUTO FOR CARDBID TOOLS & CUTTERS
- AUTOMATIC GLUE SPREADER.
- DOUBLE & MORTISING FOR CHAIR MANUFACTURIN (FULLY AUTOMATIC)
- DOUBLE END TENONING (AUTOMATIC) FOR CHAIR MANUFACTURING.
- CLAMPING FRAME.
- AUTOMATIC RADIAL ARM SAW.
- HOT 2 DAY LIGHT PRESS 2500mm x 15mm (180 TON).
- FULLY AUTO LATHE 1300mm x 80mm.
- MANUAL LATHE.
- CIRCULAR SAW.
- AUTOMATIC BORING MACHINE.
- BAND SAW
- SANDER
- RADIAL ARM SAW
- SHARPENING AUTO
- DOWEL MACHINE





- ALTAS AIR COMPRESSOR (03 No's.).
- AUTOMATIC MOLDERS
- DIFFERENT TYPES OF POWER TOOLS (80 Nos.).
- SEMI AUTO POSTFORMING MACHINE.
- BRANDT FULLY AUTO POSTFORMING MACHINE FOR 4200mm LENGTH FABRICATION.
- HOLZ-HER CNC MACHINING CENTER.
- ORMA HOT PRESS MACHINE WITH ROLLER GLUE SPREADER (03 No's).
- LAGOS PAINTING SYSTEM WITH OVEN.
- CEFLA FINISHING LINE WITH EASY D 2000 PAINTING SYSTEM.
- BARBRAM PROFILE WRAPPING MACHINE PL 32.
- FLEXICAM CNC MACHINE.
- HOLZHER EDGE BANDER TRIATHLON 1484.
- HOLZHER EDGE BANDER SPRINT 1310-1.
- BARBRA FLEECE BACKING MACHINE.
- BARBRAN EDGING LINE.
- (SCM) SANDING MACHING.
- VEAT SANDING MACHINE.
- RAMARCH HYDRAULIC PRESS.
- WEINING FOUR SIDE PLANNER.
- HOLZER ECO MASTER CNC MACHINING.
- VITAP BORING MACHINE.
- PROFILE SANDER.
- MAKOR SPRAYING MACHINE.
- HOLZER EDGE BANDER UNTO TYPE 13030.
- ORMA MEMBRNE PREE MACHINE.



QUALITY MANAGEMENT SYSTEM

QUALITY POLICY

The Management of Modern Wood Works Factory is committed to comply with the requirements of the above standards as applicable to its scope of operations with the following corporate objectives, which shall be realized by setting and achieving process related objectives at various functions and levels.

- To provide quality products and services that meet customers' needs and expectations by complying with the requirements of Specifications and Standards as contractually agreed as well as any relevant Statutory and Regulatory requirements as applicable.
- To continually improve its performance in Quality Management System by conducting periodic reviews and assessment of the Management System, Policies and Objectives for continuing suitability and effectiveness.

This policy shall be communicated to all employees and persons/organizations working for or on behalf of Modern Wood Works Factory through Induction, Awareness Training and notices as appropriate. All above mentioned personnel are required to understand and implement this policy within the area of their responsibilities.

This policy shall be made available to any interested party upon request.





INTERNATIONAL EXHIBITIONS

Modern Woodworks has WITHIN AND OUT OF KINGDOM participated in various international Exhibitions within and out of Saudi Arabia. The details is given below:

ARABIAN GULF JOINT DELEGATIONS, CHICAGO

We attended the Arabian Gulf Joint Delegations. Chicago in 1995 and again in 1996. Through this we got an opportunity to expand our business in local and foreign market

NATIONAL HARDWARE

During 12-16 August 1995, a National Hardware Show was organized by U.S. & Foreign Commercial Service. We were invited there and got an opportunity to learn a lot, and now have established a branch in USA in the name of Vital Link In Delaware. Any import or export is being regulated in USA through this branch.

INTERNATIONAL IDEAL HOME EXHIBITION

We have participated in International Ideal Home Exhibition held during 08-14 May 1996 in Dhahran International Exhibition in Kingdom of Saudi Arabia.

SAUDI BUILD '98

We also successfully participated in the 10th International Building Construction Technology and Building Material Show held in Riyadh Exhibition Center during 4-8 October, 1998

A regular participation in different exhibitions is included in our future plans.



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COMPANY PRODUCTS



COMPANY PRODUCTS

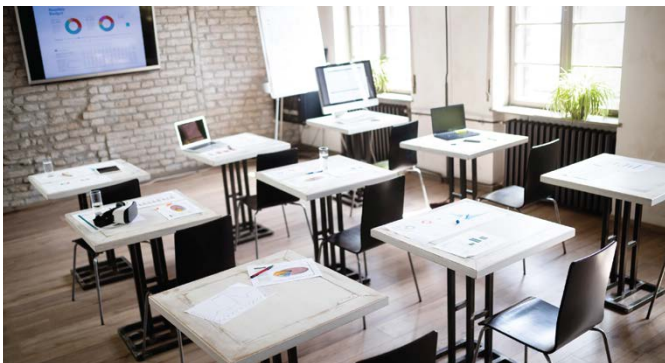
We deal in all types of Wooden Furniture and Post formed items. The detail of our products is given below :

01

BEDROOM SETS

غرف
النوم

BED WITH SIDE TABLES
BEDROOM CLOSETS
DRESSING TABLES
LEG BOXES



CLASS ROOM FURNITURE

فرش
مدارس

02

DESKS AND BENCHES
STUDY TABLES
CLASS ROOM CHAIRS



03

DOORS & FRAMES

أبواب وبراويز

NON FIRE RATED FLUSH DOORS

HOLLOW CORE FLUSH DOORS
SEMI SOLID CORE FLUSH DOORS
SOLID CORE FLUSH DOORS

**FIRE RATED DOORS
(BRITISH & AMERICAN STANDARD)**

For 30, 60, 90 & 120 Minutes
Fire Rating (UK)
For 20, 45, 60 & 120 Minutes
Fire Rating (US)

PANEL DOORS

SEMI SOLID PANEL DOORS
SOLID PANEL DOORS

SOLID DOOR FRAMES**SOUND RESISTANT DOORS****SLIDING DOORS****LAMINATED DOORS****LED LINED DOORS**

04

**DINING
SETS**غرف
الطعام

DINING TABLES
CHAIRS

**GARDEN
FURNITURE**فرش
حدايق

05

EXTERIOR BENCHES
WOODEN PERGOLA FOR GARDEN
CYCLIC RACKS

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MODERN WOODWORKS FACTORY Co.

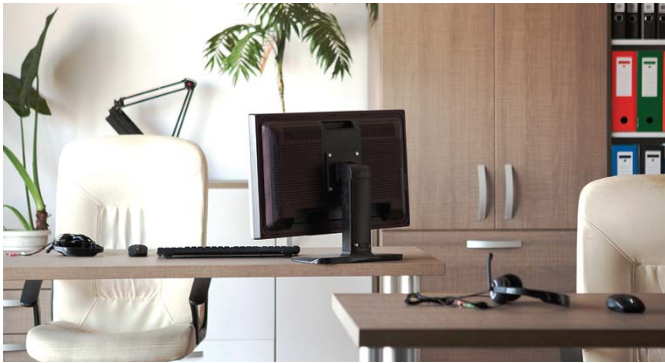


06

KITCHEN UNITS

مطابخ

BASE CABINETS
WALL CABINETS
LARDER UNITS
COUNTER TOPS



OFFICE FURNITURE

تجهيز
مكاتب

07

RECEPTION COUNTER
FILING CABINETS
OFFICE TABLES

08

HOSPITAL FURNITURE

فرش مستشفيات

HYGIENIC WALL CLADDING
WORKTOP FOR LABORATORIES
LAMINATED & ANTIBACTERIAL SOLID SURFACE WORKING STATIONS
FURNITURE FOR EXECUTIVE ROOMS
LAMINATED TOILET CUBICLES

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MODERN WOODWORKS FACTORY Co.

09

HANDRAILS درابزين

MODERN HANDRAILS
HERITAGE HANDRAILSVANITY
UNITSتجهيزات
الحمامات

10

VANITY CABINETS
MIRROR FRAMES

11

SITTING ROOM مجالس
ITEMS وكراسيWOODEN SOFA SETS
WOODEN CENTER TABLES
WOODEN EASY CHAIR

12

تجهيزات مناطق السباحة
SWIMMING POOL AREAPERGOLA FOR
SWIMMING POOLSتجهيزات فصول الدراسة
STUDY ROOM ITEMSWRITING ITEMS
BOOK SHELVES
BOOK CABINETS
SHOW CASES

13



WALL PANELLING تجاليد الحوائط

WOODEN WALL PANELLING
FABRIC AND WOODEN
PANELLING



ديكورات WOODEN CEILING

أرضيات WOODEN FLOORING



OTHERS أخرى

HANGING WALL CLADDING
CHEST & DRAWERS
COMMON TYPE OF LEGS & FOOT
LABORATORY CASEWORK
MASHRABIYAA
PEDESTALS
SKIRTING
TOILET PARTITIONS
WARDROBES
WOOD FENCING
WOOD MOLDINGS



TECHNICAL SPECIFICATIONS



TECHNICAL SPECIFICATIONS

WOODEN DOORS

GENERAL :

The wooden doors and frames should be manufactured by Modern Woodworks in accordance with the specification & drawings approved by Client.

CONSTRUCTION FOR WOODEN DOORS

(PART 1) : MATERIAL

1. Except specified, all flush doors shall meet the requirement of NWMA-ISI.
2. Wood Veneer: Quality grade will be premium door having a stain or natural finish and sound grade for doors.
3. Species will comply with specification and drawing approved by client.
4. Colour: Minimum thickness of 0.8mm meeting the requirements of NWMA ID-3. Colour will be selected by the client.
5. Laminated Plastic Faces: Minimum thickness of 1.2mm meeting the requirements of NWMA LD-3.
6. Adhesives: All adhesives will be water proof melamine fortified urea type.





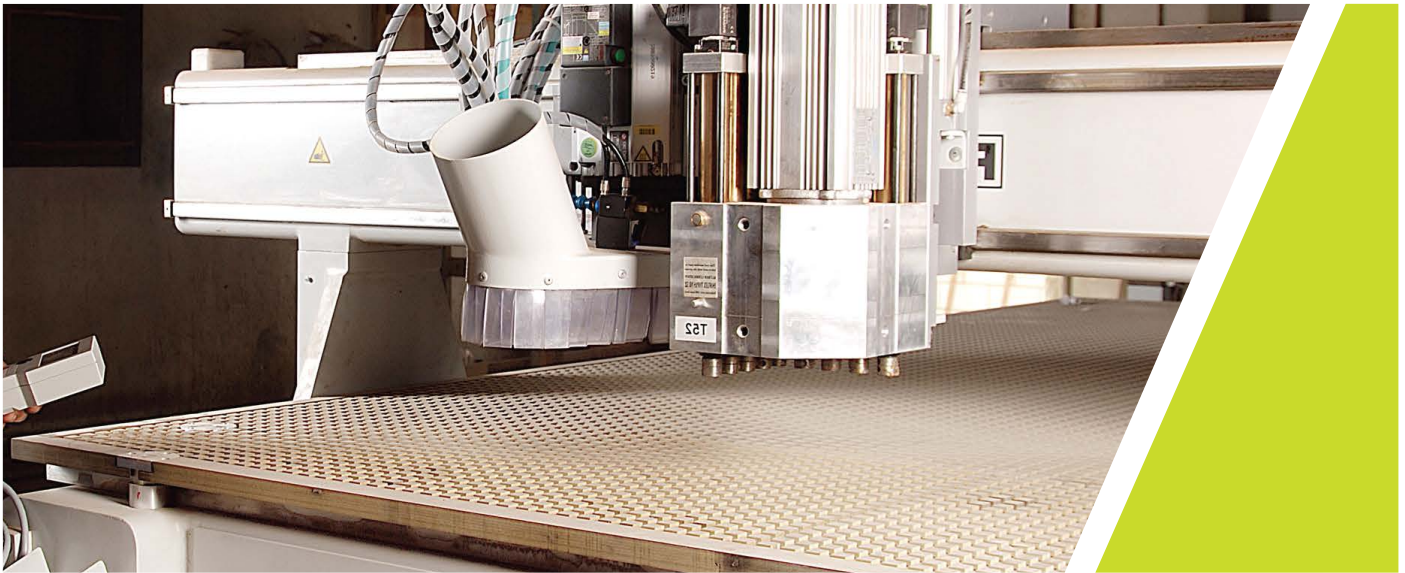
7. The core of each wooden door will be constructed as follows:

A. PARTICLE BOARD SOLID CORE

38mm thick and its density is approximately 450 Kg/M.

B. SOFT WOOD SOLID BLOCK CORE DOOR

Standard and better grade softwood. 40mm Width intermediated rails which will be joined staggered and blocks are not glued together.



C. SOFT WOOD SEMI- SOLID BLOCK CORE DOOR

40mm Width Intermediate rails are spaced but not 60mm apart.

D. FIRE RATED DOORS

FIRE RATING BOARD	12mm CHIP BOARD	12mm GYPSUM
30 Minutes	2 Layers	1 Layer
1 Hour	1 Layer	2 Layers
1.5 Hrs.	Nil	3 Layers

E. X-RAY PROTECTION LINED DOOR:

2mm thickness Led lined sheets one side on 38mm thick particle board core. The led sheets



CABINETS & CASE WORK

FINISH LUMBER

Exposed lumber shall be sound straight. Grained lumber shall be free of knots holes splits shakes, wane, decay and other open defects. The finished soft wood 2.5mm thick shall have moisture Content not lighter than 12%.

Finished soft wood thicker than 25mm shall have moisture content not higher than 15%. Moisture content of hardwood shall not exceed 10%.

PARTICLE BOARD

Particle boards shall be mat-formed plain flats sheets composed of wood chips, Flakes and bounded together by means of water proof binder.

Moisture content shall not exceed 10% by weight. Face shall be sanded in smooth.

Thickness shall not vary more than 0.4mm.

HARD BOARD

Hard board shall be tempered welded wood fire board having a tensile strength of 28.

1 kg/cm² and module for rapture of 48265 KG/cm² Face and back shall be smooth.

LAMINATES

Laminates shall be high pressure decorative, laminated craft Fiber impregnated with phenol resins and faced with a Decorative colour pattern facing sheet. All compressed Together in 0.8mm rigid sheets, suitable for use an impact and abrasion resistant. Face shall be rough sanded, suitable for adhesive bonding to a core material.

LAMINATED HARDWOOD

Hardwood shall be Meranti, none porous wood. Lamination shall be clear dry, Random grain pieces, all with size at least 20mm but not more than 38mm in length.

To provide a minimum of well scattered end joints laminating adhesive shall be a non-toxic Water proof and heat resistant glue. Top surface and expose edges shall be free of all natural and manufacturing defects with 130 grit or finer sand paper finish 2 coats of clear penetrating sealer.



PAINTING SYSTEM

PREVIOUSLY NON-PAINTED

Smooth down the exposed wood with glass paper and Treat all knots with two thin coats of patent knotting.

Opened grained hardwood should be treated with Varnish reduced 50% with thinners. When dry, fill the Grain with knifing filler. After preparation apply one coat of suitable wood primer.

PREVIOUSLY PAINTED

Burn off where necessary and remove any old and Impoverished coatings and cut out old defective Putties. Wash and rub down all sound, firmly adhering and coating and treat any exposed knots with patent Knotting.

Prime all bare wood with suitable wood. Primer and bring forward primed areas with one coat.



VARNISHED

Smooth down the exposed wood with glass paper. If Desired, stain the wood with an acid fast penetrating Stain then apply one sealer coat.

Varnish may be applied after the specific over coating interval. Modern Woodworks strictly follows the instructions of the paint manufacturer and their technical advice in each type of paint, varnish, etc.



METHODS & CONDITIONS for APPLICATION

BRUSH APPLICATION

The methods of applying the protective coatings described are by brush roller, conventional spray and airless spray. Brush application is generally used for coating smaller areas. It is particularly for coating complex areas where the use of spray methods would lead to considerable losses due to over spray and associated dry spray problems.

Brush application requires considerable care. Light strokes should be used in covering a particular area with one or two brush strokes.

ROLLER APPLICATION

Roller application is for even surfaces and can be used for the application of most decorative paints.

AIRLESS SPRAY

The airless spray is used when:

- High build coatings to be applied without thinning.
- Very rapid application possible.

CONDITIONS

Painting will not be undertaken when the air temperature falls below the lower drying or curing limit of the coating.

During fog or mist conditions or when rain or snow is imminent.

When the surface to be painted is wet with condensation can occur during the initial drying period of the paint. A general rule that is applied is that the temperature of the surface to be painted should be at least 3 deg. C above the point.



WOOD DRYING & MOISTURE CONTROL

After receiving of wood at the factory warehouse, its moisture content is checked with the help of an instrument and according to the percentage of moisture the wood is separated into three types which are as follow:

TYPE 1

This type of wood is already kiln dried having moisture content less than 12%. This wood is directly sent to the production department for fabrication.

TYPE 2

The wood containing moisture contents between 12% to 20% is used for all Structural frames except doors. This wood is placed where it can absorb the solar heat. The time for the heat absorption depends upon the species of Wood and subject to the climatic conditions.

TYPE 3

The wood containing moisture contents above 20% is included in this type. This wood is dried in the kiln chamber.





OUR CLIENTS



OUR CLIENTS

أرامكو السعودية
saudi aramco



V.No : 10026178

سابك
عندك

V.No : 504993



البنك
السعودي
الفرنسي
Banque
Saudi
Fransi





OUR CLIENTS



مستشفيات المانع العامة
ALMANA GENERAL HOSPITALS



Riaya
Hospital

مستشفى الرعاية



SINGHYDRO



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A. S. ALSAYED & PARTNERS
CONTRACTING CO.LTD



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Arabian Fal Company



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للمقاولات المتخصصة
Specialized Contracting



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Abdullah H. Al-Mutawa Sons' Holding Co. (CJSC)



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AZMEEL

مقاولات
Contracting



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ABDULLAH A.M. AL-KHODARI SONS CO.



OUR CLIENTS



RAYMOND INTERNATIONAL
Integrated Pipeline Services





CERTIFICATES



CERTIFICATE OF REGISTRATION

This is to certify that:

MODERN WOODWORKS FACTORY CO.

P.O. Box 879
Al Khobar 31952, Street no.6
2nd Industrial City, Dammam
Kingdom of Saudi Arabia



The mark of
responsible forestry

Has been audited and found to meet the requirements of standards FSC-STD-40-004 V-3-1, FSC-STD-50-001 V-2-1 for FSC® Chain of Custody Certification

SCOPE OF CERTIFICATION:

Procurement and storage of FSC 100% and FSC Mix solid wood, veneer, wood panels, HPL and MDF for manufacturing, sale and installation (Optional) of Wooden Doorset, wardrobes, cabinets, kitchen cabinets, wooden frames, wooden flooring, wall cladding, ceilings, handrails and furniture as FSC 100% and FSC Mix through transfer system as a single site certificate holder.

Products:

W11.1 Doors and door frames,
W11.2 Windows and Frames,
W11.3 Stairs,
W11.4 Dividers,
W11.5 Flooring,
W11.7 Wall cladding,
W11.8 Mouldings,
W12.1 Cabinet,
W12.2 Custom furniture,
W12.3 Tables,
W12.4 Beds,
W12.5 Couches and armchairs,
W12.6 Chairs and stools,
W12.7 Office furniture,
W12.8 Institutional casework,
W12.9 Wardrobes,
W12.10 Cupboards and chests,
W12.11 Kitchen countertops,
W12.12 Parts of furniture,
W12.13 Shelves,
W16.1 Wooden frames

System:

Transfer

Modality:

Single site

Certificate Number: BMC-COC-007959

Date of initial registration: 22-07-2022
Date of last issue: 29-11-2022
Date of expiry: 21-07-2027

Signed on behalf of BMC ASSURANCE, S.L.
D. Roberto García Torre. Manager Director





CERTIFICATES

REGISTRATION CERTIFICATE

This certificate confirms that the management systems of

Modern Wood Works Factory

P.O. Box 879, Al-Khobar 31952,
Kingdom of Saudi Arabia

have been audited and approved by
Quay Audit UK Ltd to the following management standard:

ISO 9001:2015

The approved management systems apply to the following scope:

**Design and Manufacturing of Custom Made Furniture, Flush Doors,
Panel Doors, Folding Doors, Folding Partition, Kitchen Cabinets, Post
Formed Counter Tops, Post Formed Furniture, Stair Case, Handrails
and Fire Rated Doors**

This certificate is restricted to those scopes of business activity described
in the internationally recognised NACE Codes listed below:

2512 & 2223

Original Approval	1 November 2020
Current Certificate	1 November 2020
Certificate Expiry	1 November 2023
Registration Number	4158115



On behalf of **Quay Audit UK Limited**



www.ascb.com



www.global-accreditation.org



www.irqao.com

This is an accredited certificate authorised for issue by Accreditation Service for Certifying Bodies (Europe) Limited who have assessed Quay Audit UK Limited against defined criteria and in cognisance of ISO 17021:2011 'Conformity Assessment - Requirements for bodies providing audit and certification of management systems'. This certificate is only valid when confirmed by the register listed in the International Register of Quality Assessed Organisations: www.irqao.com

Grove House 8 St. Julian's Friars Shrewsbury Shropshire SY1 1XL | (44)1743 351677 | post@quayaudit.co.uk | www.quayaudit.co.uk



CERTIFICATES



FIRE RESISTANT TIMBER FIRE DOORS

Certificate number: IFCC1594

This is a product certificate to certify that
Certificate only valid if verified on website - www.ifccertification.com

Modern Woodworks Factory Co.

PO BOX 879
Al-Khobar 31952
Kingdom of Saudi Arabia
Telephone no. +966 3 8123 551

Who fabricate the following timber fire doors and or doorsets:

Halspan FD30 Halspan FD90
Halspan FD60 Halspan FD120

have satisfied the requirements of the above scheme. This includes the testing of products to **BS476: Part 22**, the inspection of Factory Production Control and continuing surveillance audits and testing of samples of products taken from production. The product specification and field of application to achieve from **30 minutes to 120 minutes integrity** are detailed in the schedules referenced below.

Schedule ref: HS01, HS02, HS03, HS04, HS05, HS06



First Issued: 24 September 2020
Valid to: 23 September 2025
Issue No: 1



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Ian Woodhouse
Director of Certification

IFC Certification Ltd, 20 Park Street, Princes Risborough, Buckinghamshire, UK, HP27 9AH
Tel: +44 (0)1844 275500 Fax: +(0)1844 274002 E-mail: info@ifccertification.com Web: www.ifccertification.com
Registered No: 4777898 England

The certificate and schedule are held in force by regular annual surveillance visits by IFC Certification and the reader or user should contact IFC Certification to validate its status. This certificate remains the property of IFC Certification and must be returned to them on demand.



CERTIFICATES





CERTIFICATES

www.halspan.com



01/01/2019

Modern Wood Works Factory
PO Box 879
Dammam 2nd Industrial City
Dammam 31952
Kingdom of Saudi Arabia

FAO Engr Mazhar Akbar

Halspan Range

We hereby confirm authorisation to use our information in the design and fabrication of fire doors to 20, 45, 60, 90 Minutes fire resistance UL10c 2009 in support of claims to the fire performance of doors so constructed.

Listing 30287	Halspan 20 Min Category A Positive Pressure Fire Door –Single
Listing 30288	Halspan 20 Min Category B Positive Pressure Fire Door – Single & Pair
Listing 30289	Halspan 20-30 Min Optima Fire Door Core
Listing 33315	Halspan 20 Min Optima Without Hose Stream Wood Fire Door Assemblies
Listing 33316	Halspan 20 Min Prima / Prima Plus Without Hose Stream Wood Fire Door Assemblies
Listing 18851	Halspan 30 Min Category B Positive Pressure Fire Door Single
Listing 32636	Halspan 45 Min Flush Fire Doors PP/NP
Listing 29601	Halspan 45-60 Min Flush Acoustical Fire Door PP/NP
Listing 30448	Halspan 45-90 Min Firestop Door Frame
Listing 42403	Halspan 45-90 Min Flush Fire Doors NP
Listing 32635	Halspan 60-90 Min Flush Fire Doors PP
Listing 37062	Halspan Universal / Universal HD 45 Min Flush Fire Doors PP/NP
Listing 37061	Halspan Universal / Universal HD 60-90 Min Flush Fire Doors PP

The stipulation of this authorisation is that **Halspan Optima & Halspan 45® / Universal Core** is used as the core material.

Fabrication will be to sizes and tolerances stated, and it will be the responsibility of **Modern Wood Works Factory** to ensure that these are adhered to at all times. It is also the responsibility of **Modern Wood Works Factory** to ensure that the door set is fit for the purpose and long-term serviceability and conformity to recognised good practice.

Halspan Optima & Halspan 45® / Universal Core 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 Optima & Halspan 45® / Universal Core** is under continuous development there will be additional information made available from time to time. See www.halspan.com

We will withdraw our authorisation to **Modern Wood Works Factory** if there is a failure to demonstrate the use of **Halspan Optima & Halspan 45® / Universal Core** or fabricate fire doors not in accordance with information given.

This authorisation is valid in accordance with the dates shown on your Certificate of Compliance.

R W Williams
Halspan Ltd

Only valid with Authorised Signature & Stamp

HALSPAN LIMITED

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Liniithgow, EH49 7HU UK
Tel: +44 (0)1506 827538
Fax: +44 (0)1506 82596
Email: doors@halspan.com www.halspan.com
Reg No: SC194458

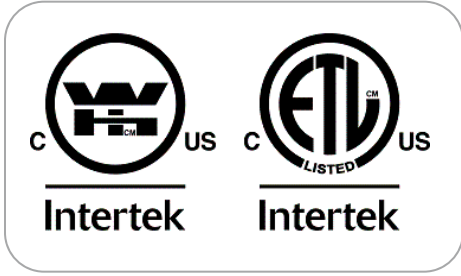
Modern Wood Works Factory

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

tel: +44 (0) 1506 827538
fax: +44 (0) 1506 825996
email: doors@halspan.com

Registered Office: Halspan Limited,
Muirhouses, B2 Ness, West Lothian, EH61 4SS
Registered in Scotland: SC 194458

Certificate of Compliance



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

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: WHI22-14142022

Organization: Modern Wood Works Factory Co.

P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022

Date of expiry: December 31, 2022

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

www.intertek.com

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

LISTING INFORMATION

Category C - Proprietary Frames

Composite Door frame for Installation in 20, 45, 60, or 90 Minute locations in steel/wood stud drywall or masonry openings. A Category B or Neutral Pressure fire rated wood/composite door may be used depending on the application. Category G Edge Sealing System is not required for the frame. May be veneered, or faced with HPL. Frame may also be used as a communicating frame, and for fixed panel sidelites and transoms.

LIMITATIONS

Composite Frame Leg

RATING	CONFIGURATION	MAX. OVERALL OPENING	MIN. WALL THICKNESS
20 Min. 45 Min.	Single Swing	4 ft. 0 in. wide 9 ft. 0 in. high	4-1/2 in.
60 Min. 90 Min.	Pairs	8 ft. 0 in. wide 8 ft. 0 in. high	4-1/2 in.

MDF or Anti-Fire Composite Frame Leg

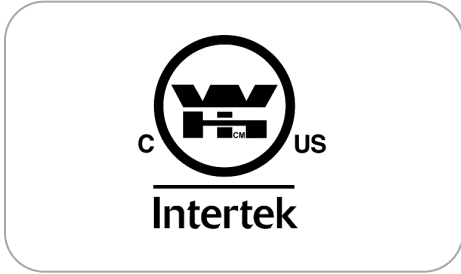
RATING	CONFIGURATION	MAX. OVERALL OPENING	MIN. WALL THICKNESS
20 Min. 45 Min. 60 Min.	Single Swing	4 ft. 0 in. wide 8 ft. 0 in. high	4-1/2 in.
20 Min.	Pairs	7 ft. 0 in. wide 8 ft. 0 in. high	4-1/2 in.

Wood Frame Leg

RATING	CONFIGURATION	MAX. OVERALL OPENING	MIN. WALL THICKNESS
20 Min. 45 Min.	Single Swing	4 ft. 0 in. wide 8 ft. 0 in. high	4-1/2 in.

Each frame option noted above must be constructed in accordance with the specifications of the Manufacturing section of this Listing report.

Certificate of Compliance



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You have been awarded:

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

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

Certificate number: WHI20-14142001

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: Halspan Universal Plus 20 Min Category A Positive Pressure Fire Door - Single & Pair
Spec ID: 30287
Fire Rating: 20 Min w/Hose Stream PP Cat A Door
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: October 06, 2020
Date of expiry: December 31, 2022
Issue status: 3

Authorized By: 
Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc.
545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA
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www.intertek.com

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LISTING INFORMATION

PRODUCT COVERED

Halspan Universal Plus 20 Minute Positive Pressure Category A Fire Door
CATEGORY A - DOORS - NO ADDITIONAL EDGE-SEALING SYSTEM REQUIRED

PRODUCT DESCRIPTION

Latched single acting single and double leaf particle board based door to be installed in category C listed steel door frames, listed composite (mineral core) door frames or listed hardwood door frames with a minimum density of 640 kg/m³ of equal or higher fire rating.

Door Core - Halspan Universal Plus, overall leaf thickness - 44mm.

Maximum size:

Single leaf door - 1219 x 2438 or 4' x 8' (w x h)

Double leaf door (each leaf) - 1219 x 2438 or 4' x 8' (w x h) (Overall Size - 8' x 8')

Limitations:

UL10c listed and labeled hardware must be used.

Minimum latch throw - 1/2" (12mm)

FIRE RATINGS

The product noted above has been evaluated according to the requirements of UL 10C, NFPA 252 and CAN/ULC S104 and has qualified for the following ratings:

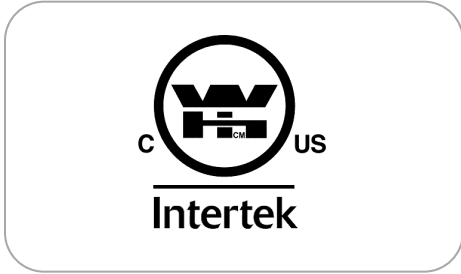
Fire Rating: 20 Minutes with hose stream positive pressure rating

These doors must be installed in listed Category C - Standard or Proprietary frames. Please consult the frame manufacturer's listed installation instructions for any restrictions and limitations pertaining to the frame.

The door noted above is eligible to bear the "S" (for Smoke & Draft Control assemblies) if a listed "Category H - Smoke & Draft Control Gasket" has been applied to the assembly. Please refer to Category H for individual gasket manufacturer's listings.

Note: Halspan 30 Optima core is renamed to Halspan Universal Plus.

Certificate of Compliance



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

You have been awarded:

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

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

Certificate number: WHI20-14142002

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: Halspan Universal Plus 20 Min Category B Positive Pressure Fire Door – Single & Pair
Spec ID: 30288
Fire Rating: 20 Min w/Hose Stream PP Cat B Door
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: October 06, 2020
Date of expiry: December 31, 2022
Issue status: 3

Authorized By: 
Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc.
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Phone: 847-439-5667 Fax: 847-439-7320

www.intertek.com

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LISTING INFORMATION

PRODUCT COVERED

Halspan Universal Plus 20 Minute Positive Pressure Category B Fire Door

CATEGORY B - DOORS - ADDITIONAL EDGE-SEALING SYSTEM REQUIRED

A surface applied Category G intumescent edge seal system is required to be used on the door frame.

PRODUCT DESCRIPTION

Latched single acting single and double leaf particle board based door to be installed in category C listed steel door frames, listed composite (mineral core) door frames or listed hardwood door frames with a minimum density of 640 kg/m³ of equal or higher fire rating.

Door Core - Halspan Universal Plus, overall leaf thickness - 44mm.

Maximum size:

Single leaf door - 1219 x 2438 or 4' x 8' (w x h)

Double leaf door (each leaf) - 1219 x 2438 or 4' x 8' (w x h) (Overall Size - 8' x 8')

Limitations:

UL10c listed and labeled hardware must be used.

Minimum latch throw - 1/2" (12mm)

FIRE RATINGS

The product noted above has been evaluated according to the requirements of UL 10C, NFPA 252 and CAN/ULC S104 and has qualified for the following ratings:

Fire Rating: 20 Minutes with hose stream positive pressure rating

These doors must be installed in listed Category C - Standard or Proprietary frames. A surface applied Category G intumescent edge seal system is required to be used on the door frame. Please consult the frame manufacturer's listed installation instructions for any restrictions and limitations pertaining to the frame.

The door noted above is eligible to bear the "S" (for Smoke & Draft Control assemblies) if a listed "Category H - Smoke & Draft Control Gasket" has been applied to the assembly. Please refer to Category H for individual gasket manufacturer's listings.

Note: Halspan 30 Optima core is renamed to Halspan Universal Plus.

Certificate of Compliance



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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: WHI22-14142019

Organization: Modern Wood Works Factory Co.

P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022

Date of expiry: December 31, 2022

Issue status: 1

Authorized By: 
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www.intertek.com

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LISTING INFORMATION

Mineral Core Type, Swinging Flush Design Fire Door for installation in single swing 1-1/2 hour locations.

Limitations: Mortise or Cylindrical Latches with up to a 5" Backset/Surface Mounted Vertical Rod Fire Exit Hardware/Mortised or Surface Mounted Rim Type Fire Exit Hardware/Lights - 100 sq.in./Temperature Rise - 250°F @ 30 minutes/Electric Raceways/Wood Veneer or .050" thick Plastic Laminate or 1/16" Wood Crossbanding.

Maximum Size of Openings:	4'0" wide x 8'0" high.
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Composite Core Type, Swinging Flush Design Fire Door for installation in single swing 1-1/2 hour locations.

Limitations: Mortise or Cylindrical Latches with up to a 5" Backset/Mortised or Surface Mounted Rim Type Fire Exit Hardware (with a 3/4" Latchbolt Throw)/Electrical Raceways/ Lights - 100 sq.in./Temperature Rise - 250°F @ 30 minutes/Surface Mounted Vertical Rod Fire Exit Hardware.

Maximum Size of Openings:	4'0" wide x 8'0" high
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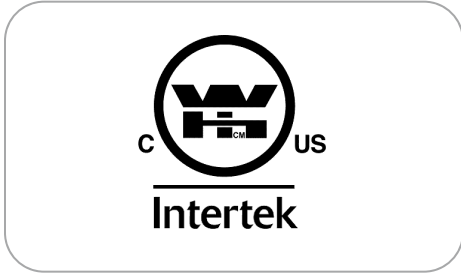
Mineral Core Type, Swinging Flush Design Fire Door for installation in pairs in 1 hour locations.

Limitations: Wood Veneer or .050" thick Plastic Laminate or 1/16" Wood Crossbanding/Surface Mounted Vertical Rod Fire Exit Hardware/Temp. Rise - 250°F at 30 minutes/Metal Edge required.

Maximum Size of Openings:	8'0" wide x 8'0" high, Vertical Rod Fire Exit Hardware and Metal Edges required.
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Note: For additional information, please refer to the Warm Springs Composite Products listings in the Fire Door Components section.

Certificate of Compliance



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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: WHI22-14142017

Organization: Modern Wood Works Factory Co.

P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022

Date of expiry: December 31, 2022

Issue status: 1

Authorized By: 
Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc.
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LISTING INFORMATION

PRODUCT COVERED

60 Minute Fire Door Frame

PRODUCT DESCRIPTION

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

Maximum Sizes

Single-Swing: 48 in. wide by 96 in. high

Throat Opening: 4-3/4 in.

RATINGS

60 minute Neutral Pressure or Positive Pressure Fire Rating

EVALUATED TO THE FOLLOWING

Unless otherwise noted, assemblies in this section have been tested to the following standards:

ASTM E2074(2000) and ASTM-E152, Methods of Fire Tests of Door Assemblies;

CAN/ULC-S104, Standard Method for Fire Tests of Door Assemblies;

CSFM-43.7, Methods of Fire Tests of Door Assemblies;

NFPA-252, Standard Methods of Fire Tests of Door Assemblies;

UBC-7-2-94, Uniform Building Code;

UBC-7-2(1997) Part I

UL-10(b),and UL-10(c) Fire Tests of Door Assemblies;

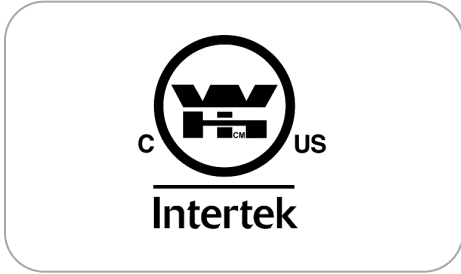
and are installed, unless otherwise noted, in accordance with the following:

NFPA-80, Fire Doors & Windows.

Manufacturer's Instructions.

All frames are identified by either a label or embossed marking bearing the wording "Listed (Product)" and the WHI Certification Mark.

Certificate of Compliance



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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: WHI22-14142017

Organization: Modern Wood Works Factory Co.

P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022

Date of expiry: December 31, 2022

Issue status: 1

Authorized By: 
Jean-Philippe Kayl, Director of Certification

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LISTING INFORMATION

PRODUCT COVERED

60 Minute Fire Door Frame

PRODUCT DESCRIPTION

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

Maximum Sizes

Single-Swing: 48 in. wide by 96 in. high

Throat Opening: 4-3/4 in.

RATINGS

60 minute Neutral Pressure or Positive Pressure Fire Rating

EVALUATED TO THE FOLLOWING

Unless otherwise noted, assemblies in this section have been tested to the following standards:

ASTM E2074(2000) and ASTM-E152, Methods of Fire Tests of Door Assemblies;

CAN/ULC-S104, Standard Method for Fire Tests of Door Assemblies;

CSFM-43.7, Methods of Fire Tests of Door Assemblies;

NFPA-252, Standard Methods of Fire Tests of Door Assemblies;

UBC-7-2-94, Uniform Building Code;

UBC-7-2(1997) Part I

UL-10(b),and UL-10(c) Fire Tests of Door Assemblies;

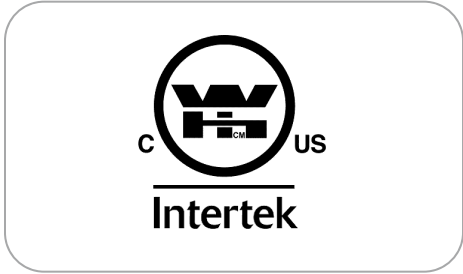
and are installed, unless otherwise noted, in accordance with the following:

NFPA-80, Fire Doors & Windows.

Manufacturer's Instructions.

All frames are identified by either a label or embossed marking bearing the wording "Listed (Product)" and the WHI Certification Mark.

Certificate of Compliance



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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: WHI22-14142016

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022
Date of expiry: December 31, 2022
Issue status: 1

Authorized By: 
Jean-Philippe Kayl, Director of Certification

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545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA
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www.intertek.com

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LISTING INFORMATION

Warm Springs 60 and 90 Minute Profiled Core Fire Doors are wood/mineral composite doors. The doors are rated for up to 90 minutes in positive pressure applications. The doors may be Category A or B dependent on the stile and rail construction.

LIMITATIONS

60 Minute applications:

Single Swing: 3 ft. 0 in. wide x 8 ft. 0 in. high

Pairs: 6 ft. 0 in. wide x 7 ft. 0 in. high

90 Minute applications:

Single Swing: 3 ft. 0 in. wide x 7 ft. 0 in. high

Pairs: Not allowed.

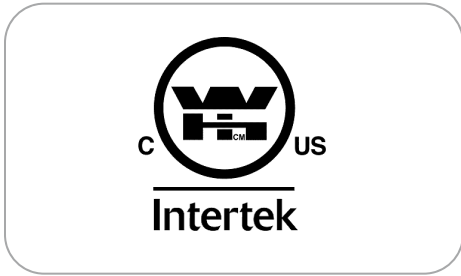
Minimum Thickness:

1-3/4 in.

Hardware

- Cylindrical latchset
- Mortised automatic flushbolts
- Mortised or surface mounted rim type fire exit hardware
- Surface mounted closers
- Moulded fiberboard surface veneer
- 4 point latching required for pairs (cylindrical latch and flush bolt on bottom of active leaf, flush bolts on top and bottom of inactive leaf)

Certificate of Compliance



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

You have been awarded:

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: WHI22-14142015

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022

Date of expiry: December 31, 2022

Issue status: 1

Authorized By: 
Jean-Philippe Kayl, Director of Certification

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LISTING INFORMATION

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

LIMITATIONS

The following limitations are subject to specific door construction requirements. Please refer to Manufacturing and Machining sections of this Listing.

- Minimum overall door thickness: 1-11/16"
- Mortised or cylindrical latches with up to a 5" backset
- Mortised automatic flushbolts
- Mortised or surface mounted rim type fire exit hardware
- Surface mounted vertical rod fire exit hardware
- Concealed Vertical Rod (CVR) hardware
- Electrical wire raceways
- Vision panels: max. 100 sq.in. (90 min.)
- Vision panels: max. 616 sq.in. each lite, max 1232 sq.in (45 & 60 min.)
- Louvers: max. 524 sq.in.
- Temperature Rise - 250°F @ 30 minutes
- Surface mounted closers
- Wood surface veneer
- Plastic laminate veneer 0.050" thick
- Wood crossbanding 1/16" thick
- Surface mounted or mortised door bottoms
- Concealed closer track and arm (45-60 min. only)

Maximum Size of Openings

The maximum opening sizes are subject to specific door construction requirements. Please refer to the Manufacturing section of this Listing.

CORE TYPE	SWING	MAXIMUM SIZE
Thermal-Lite	Single	4'0" wide x 8'0" high 3'0" wide x 8'0" high*
	Pairs	6'0" wide x 7'0" high**
		7'0" wide x 8'0" high***
MDS Mineral Core	Single	4'0" wide x 9'0" high
	Pairs	8'0" wide x 9'0" high****
AHI	Single	4'0" wide x 9'0" high
	Pairs	8'0" wide x 9'0" high****
G-P Gypsum	Single	4'0" wide x 8'0" high
	Pairs	8'0" wide x 8'0" high
WSCP-412	Single	4'0" wide x 9'0" high
	Pairs	8'0" wide x 8'0" high*

*Additional requirements as noted in Manufacturing section

**3-point latching and 5" Tectonite meeting stile required

***4-point latching and 2" Tectonite stiles required

****4-point latching and 5" Tectonite stiles required for pairs over 8 ft. in height.

Evaluated to the following...

Positive Pressure - Category A

This category includes doors evaluated without an edge-sealing system between the door and frame. It also includes doors evaluated with a sealing system incorporated (concealed or visible) into the edge of the door by the licensed manufacturer or machining distributor.

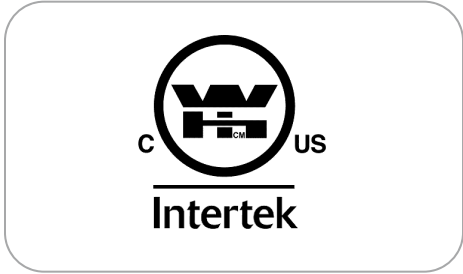
Meeting edges of pairs may require an astragal or an edge-sealing system. Please refer to individual door listings.

These doors are eligible for use in any "Category C - Standard" frame. These doors may also be installed in frames listed in "Category C - Proprietary" in the accordance with the frame manufacturer's individual listing.

All doors listed in Category A are eligible to bear the "S" (for Smoke & Draft Control assemblies) if a listed "Category H - Smoke & Draft Control Gasket" has been applied to the assembly. Please refer to Category H for individual gasket manufacturer's listings.

All doors in this category are identified by a label or marking bearing the wording, "Listed Fire Door", a time interval, a temperature rise rating, a serial number and the Warnock Hersey Certification Mark and "UL 10C".

Certificate of Compliance



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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: WHI22-14142018

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022
Date of expiry: December 31, 2022
Issue status: 1

Authorized By: 
Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc.
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LISTING INFORMATION

PRODUCT COVERED

20 Minute Fire Door Frame

PRODUCT DESCRIPTION

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

Maximum Sizes

Single-Swing: 48 in. wide by 96 in. high
Pair: 84 in. wide by 96 in. high
Throat Opening: 4-3/4 in.

RATINGS

20 minute Neutral Pressure Fire Rating, with hose stream

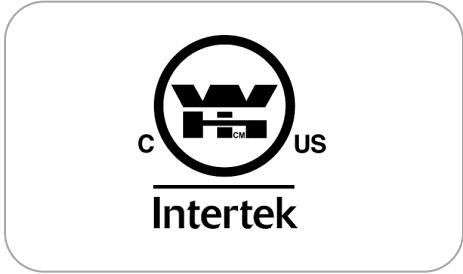
EVALUATED TO THE FOLLOWING

Unless otherwise noted, assemblies in this section have been tested to the following standards:

ASTM E2074(2000) and ASTM-E152, Methods of Fire Tests of Door Assemblies;
CAN/ULC-S104, Standard Method for Fire Tests of Door Assemblies;
NFPA-252, Standard Methods of Fire Tests of Door Assemblies;
UBC-7-2-94, Uniform Building Code;
UL-10(b) Fire Tests of Door Assemblies;
and are installed, unless otherwise noted, in accordance with the following:
NFPA-80, Fire Doors & Windows.
Manufacturer's Instructions.

All frames are identified by either a label or embossed marking bearing the wording "Listed (Product)" and the WHI Certification Mark.

Certificate of Compliance



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

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: WHI22-14142020

Organization: Modern Wood Works Factory Co.

P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022

Date of expiry: December 31, 2022

Issue status: 1

Authorized By: 
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LISTING INFORMATION

PRODUCT COVERED

20 Minute Fire Door Frame

PRODUCT DESCRIPTION

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

Maximum Sizes

Single-Swing: 48 in. wide by 96 in. high
Pair: 84 in. wide by 96 in. high
Throat Opening: 4-3/4 in.

RATINGS

20 minute Neutral Pressure or Positive pressure Fire Rating, with hose stream

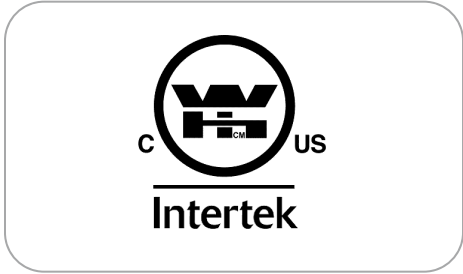
EVALUATED TO THE FOLLOWING

Unless otherwise noted, assemblies in this section have been tested to the following standards:

ASTM E2074(2000) and ASTM-E152, Methods of Fire Tests of Door Assemblies;
CAN/ULC-S104, Standard Method for Fire Tests of Door Assemblies;
CSFM-43.7, Methods of Fire Tests of Door Assemblies;
NFPA-252, Standard Methods of Fire Tests of Door Assemblies;
UBC-7-2-94, Uniform Building Code;
UBC-7-2(1997) Part I
UL-10(b),and UL-10(c) Fire Tests of Door Assemblies;
and are installed, unless otherwise noted, in accordance with the following:
NFPA-80, Fire Doors & Windows.
Manufacturer's Instructions.

All frames are identified by either a label or embossed marking bearing the wording "Listed (Product)" and the WHI Certification Mark.

Certificate of Compliance



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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: WHI22-14142014

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022
Date of expiry: December 31, 2022
Issue status: 1

Authorized By: 
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LISTING INFORMATION

20 Minute Solid Core Fire Door Procedure
CAT B - Additional edge sealing system required.

MAXIMUM DOOR SIZES

SINGLE SWING:

4'0" wide x 9'0" high

STANDARD PAIRS:

8'0" wide x 9'0" high

4'0" wide x 9'0" high

DOUBLE EGRESS PAIRS: Not Allowed

DOOR AND TRANSOM: Not Allowed

DUTCH DOOR: Not Allowed

MINIMUM THICKNESS

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

NOTE: Pairs must have metal meeting edges.

Certificate of Compliance



You have been awarded:

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

Standards: UL 10(c) (2009)

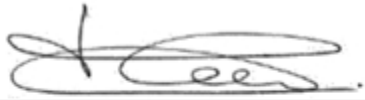
Certificate number: WHI20-14142028

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Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: Halspan Universal Plus 20 Minute without Hose Stream
Wood Fire Door Assemblies
Spec ID: 33315
Fire Rating: 20 Min w/out Hose Positive Pressure
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: October 06, 2020
Date of expiry: December 31, 2022
Issue status: 3

Authorized By: 
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LISTING INFORMATION

PRODUCT COVERED

Halspan Universal Plus Particleboard Fire Door Assembly for use in fire rated applications per UL 10C without hose stream.

MAXIMUM SIZES AND RATINGS

Allowable Configuration(s)	Maximum Size	Frame Type	Glazing	Overpanel	Intumescent
LSASD	1200mm wide x 2135mm high 915mm wide x 2800mm high	Wood	Yes (Max. 1.75 sq. m)	Yes, Transomed. (Max. height 2000mm)	<p>Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, or Halspan Type SLS)</p> <p>Square: 1 No 10x4mm exposed and fitted centrally in the leaf or frame head. Leaves over 2200mm increase to 20x4mm.</p> <p>Jams: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal. Leaves over 950mm increase to 15x4mm.</p>
LSASD+OP	1100mm wide x 2135mm high 910mm wide x 2650mm high	Wood	Yes (Max. 1.75 sq. m)	Yes. (Max. height 2000 mm)	<p>Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, or Halspan Type SLS)</p> <p>Square: 1 No 15x4mm exposed and fitted centrally in the leaf or bottom of overpanel. Leaves over 2400mm increase to 20x4mm.</p> <p>Rebated: 2 No 10x4mm exposed with one seal fitted</p>

					centrally in the rebate of the leaf and one seal fitted centrally in the bottom of the overpanel rebate. Jamb: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal.
LSADD	1100mm wide x 2135mm high 910mm wide x 2600mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes, Transomed. (Max. height 1500mm)	Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, or Halspan Type SLS) Square: 1 No 10x4mm exposed and fitted centrally in the leaf or frame head. Leaves over 2400mm increase to 15x4mm. Square: 2 No 10x4mm exposed with each seal fitted centrally in both leaf edges, or 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Rebated: 2 No 15x4mm exposed with each seal fitted centrally in the rebate of each leaf. Jamb: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal.

LSADD+OP	1040mm wide x 2135mm high 915mm wide x 2440mm high	Wood.	Yes (1.75 sq. m)	Yes (Max. height 1500mm)	<p>Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, or Halspan Type SLS)</p> <p>Square: 1 No 15x4mm exposed and fitted centrally in the leaf or bottom of overpanel. Leaves over 2400 increase to 20x4mm.</p> <p>Rebated: 2 No 15x4mm exposed with one seal fitted centrally in the rebate of the leaves and one seal fitted centrally in the bottom of overpanel rebate.</p> <p>Square: 2 No 10x4mm exposed with each seal fitted centrally in both leaf edges, or 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only.</p> <p>Rebated: 2 No 15x4mm exposed with each seal fitted centrally in the rebate of each leaf.</p> <p>Jambs: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal.</p>
LSASD	1066mm wide x 2040mm high (LSASD)	Steel.	Yes (Max. 1.75 sq.	No.	<p>Yes.</p> <p>Head: H30</p> <p>Jambs: H30</p>

	826mm wide x 2598mm high (LSASD)		m)		
LSASD+OP	901mm wide x 2040mm high (LSASD+OP) 826mm wide x 2190mm high (LSASD+OP)	Steel.	Yes (Max. 1.75 sq. m)	Yes (Max. height 500mm)	Yes. (PVC Encapsulated Halspan Type SLS) Square: 1 No 20x4mm exposed and fitted centrally in the leaf bottom of the overpanel. Rebated: 2 No 10x4mm exposed with one seal fitted centrally in the rebate of the leaf and one seal fitted centrally in the bottom of the overpanel rebate. Jambs & Overpanel: H30
LSADD	1016mm wide x 2040mm high (LSADD) 826mm wide x 2498mm high (LSADD)	Steel.	Yes (Max. 1.75 sq. m)	No.	Yes. (PVC Encapsulated Halspan Type SLS) Head: H30 Square: 2 No 10x4mm exposed and fitted 5mm from either side of the centerline in one leaf edge only. Jambs: H30
LSADD+OP	851mm wide x 2040mm high (LSADD+OP) 826mm wide x 2090mm high (LSADD+OP)	Steel.	Yes (Max. 1.75 sq. m)	Yes (Max. height 500mm)	Yes. (PVC Encapsulated Halspan Type SLS) Square 1 No 20x4mm exposed and fitted centrally in the leaf or bottom of the overpanel. Rebated: 2 No 15x4mm exposed with one seal fitted centrally in the rebate of leaves and one seal fitted centrally in the bottom of the

					<p>overpanel rebate. Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jams & Overpanel: H30</p>
LSASD	<p>1638mm wide x 2135mm high (LSASD) 1105mm wide x 3167mm high (LSASD)</p>	<p>Steel. Backfilled with concrete or mortar.</p>	<p>Yes (Max. 1.75 sq. m)</p>	No.	<p>Yes. (PVC Encapsulated Therm-A-Seal Intumescent Seals Ltd.) Square: 1 No 20x4mm exposed and fitted centrally in the leaf head. Leaves over 2300mm increase to 25x4mm. Leaves over 2600mm increase to 38x4mm. Jams: 1 No 20x4mm exposed and fitted centrally in the leaf edge. Leaves over 1300mm increase to 25x4mm. Leaves over 1500mm increase to 38x4mm.</p>
LSASD+OP	<p>875mm wide x 2135mm high (LSASD+OP) 800mm wide x 2285mm high (LSASD+OP)</p>	<p>Steel. Backfilled with concrete or mortar.</p>	<p>Yes (Max. 1.75 sq. m)</p>	<p>Yes (Max. height 500mm)</p>	<p>Yes. (PVC Encapsulated Therm-A-Seal Intumescent Seals Ltd.) Square: 1 No 20x4mm exposed and fitted centrally in the leaf or bottom of the overpanel. Rebated: 2 No 10x4mm</p>

					<p>exposed with one seal fitted centrally in the rebate of leaf and one seal fitted centrally in the bottom of the overpanel rebate.</p> <p>Jambs & Overpanel: 1 No 20x4mm exposed and fitted centrally in the leaf and overpanel edge.</p>
LSADD	<p>929mm wide x 2135mm high (LSADD)</p> <p>800mm wide x 2462mm high (LSADD)</p>	<p>Steel. Backfilled with concrete or mortar.</p>	<p>Yes (Max. 1.75 sq. m)</p>	No.	<p>Yes. (PVC Encapsulated Therm-A-Seal Intumescent Seals Ltd.)</p> <p>Head: 1 No 20x4mm exposed and fitted centrally in the leaf.</p> <p>Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only.</p> <p>Jambs: 1 No 20x4mm exposed and fitted centrally in the leaf edge.</p>
LSADD+OP	<p>825mm wide x 2135mm high (LSADD+OP)</p> <p>800mm wide x 2185mm high (LSADD+OP)</p>	<p>Steel. Backfilled with concrete or mortar.</p>	<p>Yes (Max. 1.75 sq. m)</p>	<p>Yes (Max. height 500mm)</p>	<p>Yes. (PVC Encapsulated Therm-A-Seal Intumescent Seals Ltd.)</p> <p>Square: 1 No 20x4mm exposed and fitted centrally in the leaf or bottom of the overpanel.</p> <p>Rebated: 2 No 15x4mm exposed with one seal fitted centrally in the rebate of leaves and one seal fitted</p>

					centrally in the bottom of the overpanel rebate. Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs & Overpanel: 1 No 20x4mm exposed and fitted centrally in the leaf and overpanel edge.
LSASD	935mm wide x 2700mm high (LSASD) 835mm wide x 2931mm high (LSASD)	Aluminum.	Yes (Max. 1.75 sq. m)	No.	Yes. (PVC Encapsulated Therm-A-Seal Intumescent Seals Ltd.) Head: 1 No 30x4mm exposed and fitted centrally in a rebate in the leaf head. Jambs: 1 No 20x4mm exposed and fitted centrally in a rebate in the leaf edge.
LSADD	885mm wide x 2700mm high 835mm wide x 2831mm high	Aluminum.	Yes (Max. 1.75 sq. m)	No.	Yes. (PVC Encapsulated Therm-A-Seal Intumescent Seals Ltd.) Head: 1 No 30x4mm exposed and fitted centrally in a rebate in the leaf head or frame reveal. Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs: 1 No 20x4mm exposed and fitted centrally in a rebate in the leaf edge or frame reveal.

					Doorsets with a latch or lock must fit 1mm thick Interdens or 2mm thick Therm-A-Stop under the forend and keep.
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Please note: Consult Manufacturing and Machining sections of this listing for hardware intumescent requirements.

DEFINITION KEY

- LSASD** - Latched Single Acting Single Doorset
- LSASD+OP** - Latched Single Acting Single Doorset with Overpanel
- LSADD** - Latched Single Acting Double Doorset
- LSADD+OP** - Latched Single Acting Double Doorset with Overpanel

Please consult Intertek or Halspan with any questions that pertain to the door construction referenced within this listing.

Certificate of Compliance



You have been awarded:

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

Standards: UL 10(c) (2009)

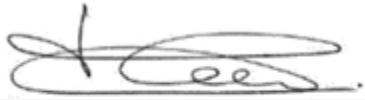
Certificate number: WHI20-14142027

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

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: Halspan Prima / Prima Plus 20 Minute without Hose
Stream Wood Fire Door Assemblies
Spec ID: 33316
Fire Rating: 20 Min w/out Hose Positive Pressure
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: October 06, 2020
Date of expiry: December 31, 2022
Issue status: 3

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

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

LISTING INFORMATION

PRODUCT COVERED

Halspan Prima / Prima Plus Particleboard Fire Door Assembly for use in 20 minute fire rated applications per UL 10C without hose stream.

MAXIMUM SIZES AND RATINGS

Allowable Configuration(s)	Maximum Size	Frame Type	Glazing	Overpanel	Intumescent
(Prima Plus) LSASD	1080mm wide x 2040mm high 900mm wide x 2428mm high	Wood	Yes (Max. 1.25 sq. m)	Yes, Transomed. (Max. height 2000mm)	Yes. (Halspan Type SLS) Head: 1 No 15x4mm exposed and fitted centrally in the leaf edge or frame reveal. Jambs: 1 No 15x4mm exposed and fitted centrally in the leaf edge or frame reveal.
(Prima Plus) LSASD	975mm wide x 2040mm high 900mm wide x 2190mm high	Wood	Yes (Max. 1.25 sq. m)	Yes, Transomed. (Max. height 2000 mm)	Yes. (Norfast - Norseal Ltd.) Head: 1 No Norfast seal fitted in the frame reveal abutting the door stop. Jambs: 1 No Norfast seal fitted in the frame reveal abutting the door stop.
(Prima Plus) LSASD	975mm wide x 2040mm high 900mm wide x 2190mm high	Wood.	Yes (Max. 1.25 sq. m)	Yes, Transomed. (Max. height 2000mm)	Yes. (PVC Encapsulated Therm-A-Seal, Palusol 100, Pyroplex, Type 617, 500P) Head: 1 No 15x4mm exposed and fitted centrally in the leaf edge or frame reveal. Jambs: 1 No 15x4mm exposed and fitted centrally in the leaf edge or frame reveal.

(Prima Plus) LSADD	1030mm wide x 2040mm high 900mm wide x 2328mm high	Wood.	Yes (1.25 sq. m)	Yes, Transomed. (Max. height 1500mm)	<p>Yes. (Halspan Type SLS)</p> <p>Square: 1 No 15x4mm exposed and fitted centrally in the leaf or frame head.</p> <p>Square: 2 No 10x4mm exposed and centrally fitted 10mm apart in one leaf edge only.</p> <p>Rebated: 2 No 15x4mm exposed and each seal fitted centrally in the rebate of each leaf.</p> <p>Jambs: 1 No 15x4mm exposed and fitted centrally in the leaf or frame reveal.</p>
(Prima Plus) LSADD	925mm wide x 2040mm high 900mm wide x 2090mm high	Wood.	Yes. (Max. 1.25 sq. m)	Yes, Transomed. (Max. height 1500mm)	<p>Yes, (Norfast - Norseal Ltd., Therm-A-Seal - Intumescent Seals Ltd.)</p> <p>Head: 1 No Norfast seal fitted in the frame reveal abutting the door stop.</p> <p>Square: 2 No 10x4mm Therm-A-Seal with each seal spaced 10mm apart and fitted centrally in the meeting edge of one leaf.</p> <p>Jambs: 1 No Norfast seal fitted in the frame reveal abutting the door stop.</p>

(Prima Plus) LSADD	925mm wide x 2040mm high 900mm wide x 2090mm high	Wood.	Yes (Max. 1.25 sq. m)	Yes, Transomed. (Max. height 1500mm)	Yes. (PVC Encapsulated Therm-A-Seal, Palusol 100, Pyroplex, Type 617, 500P) Square: 1 No 15x4mm exposed and fitted centrally in the leaf or frame head. Square: 2 No 10x4mm exposed and fitted centrally 10mm apart in one leaf edge only. Rebated: 2 No 15x4mm exposed with each seal fitted centrally in the rebate of each leaf. Jambs: 1 No 15x4mm exposed and fitted centrally in the leaf or frame reveal.
(Prima) LSASD	1166mm wide x 2800mm high 928mm wide x 3442mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes, Transomed. (Max. height 2000mm)	Yes. (Norfast - Norseal Ltd.) Head: 1 No Norfast seal fitted in the frame reveal abutting the door stop. Jambs: 1 No Norfast seal fitted in the frame reveal abutting the door stop.
(Prima) LSASD	1054mm wide x 2040mm high 936mm wide x 2294mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes, Transomed. (Max. height 2000mm)	Yes. (Therm-A-Seal) Head: 1 No 10x4mm exposed and fitted in the frame reveal abutting the door stop. Jambs: 1 No 10x4mm exposed and fitted in the frame reveal abutting the door stop.

<p>(Prima) LSASD</p>	<p>1123mm wide x 2702mm high 915mm wide x 3292mm high</p>	<p>Wood.</p>	<p>Yes (Max. 1.75 sq. m)</p>	<p>Yes, Transomed. (Max. height 2000mm)</p>	<p>Yes. (100 EC Palusol, PVC Encapsulated Palusol - Lorient Polyproducts Ltd.) Head: 1 No 20x4mm PVC Encapsulated Palusol exposed and fitted centrally in the frame reveal. Jambs: 1 No 30x2mm 100EC centrally grooved into the rear face of the lipping.</p>
<p>(Prima) LSASD</p>	<p>1227mm wide x 2130mm high 915mm wide x 2799mm high</p>	<p>Wood.</p>	<p>Yes (Max. 1.75 sq. m)</p>	<p>Yes, Transomed. (Max. height 2000mm)</p>	<p>Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, 500P, or Halspan Type SLS) Square: 1 No 10x4mm exposed and fitted centrally in the leaf or frame head. Leaves over 2200mm increase to 20x4mm. Jambs: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal. Leaves over 950mm increase to 15x4mm.</p>
<p>(Prima) LSASD</p>	<p>1011mm wide x 2700mm high 836mm wide x 3236mm high</p>	<p>Wood.</p>	<p>Yes (Max. 1.75 sq. m)</p>	<p>Yes, Transomed. (Max. height 2000mm)</p>	<p>Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, 500P or Halspan Type SLS) Square: 1 No 20x4mm exposed and fitted centrally in the leaf or frame head. Leaves over 3000mm increase to 25x4mm. Jambs: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal. Leaves over 950mm increase to 15x4mm.</p>

(Prima) LSASD+OP	1177mm wide x 2130mm high 915mm wide x 2699mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes (Max. height 2000mm)	<p>Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, 500P, or Halspan Type SLS)</p> <p>Square: 1 No 15x4mm exposed and fitted centrally in the leaf or bottom of the overpanel. Leaves over 2400mm increase to 20x4mm.</p> <p>Rebated: 2 No 10x4mm exposed with one seal fitted centrally in the rebate of the leaf and one seal fitted centrally in the bottom of the overpanel rebate.</p> <p>Jambs: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal.</p>
(Prima) LSADD	1116mm wide x 2800mm high 928mm wide x 3342mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes, Transomed. (Max. height 1500mm)	<p>Yes. (Norfast - Norseal Ltd., Therm-A-Seal Intumescent Seals Ltd.)</p> <p>Head: 1 No Norfast seal fitted in the frame reveal abutting the door stop.</p> <p>Square: 2 No 10x4mm Therm-A-Seal with each seal spaced 10mm apart and fitted centrally in the meeting edge of one leaf.</p> <p>Jambs: 1 No Norfast seal fitted in the frame reveal abutting the door stop.</p>

(Prima) LSADD	1127mm wide x 2130mm high 915mm wide x 2599mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes, Transomed. (Max. height 1500mm)	Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, 500P, or Halspan Type SLS) Head: 1 No 10x4mm exposed and fitted centrally in the leaf or frame head. Leaves over 2400mm increase to 15x4mm. Square: 2 No 10x4mm exposed with each seal fitted in both leaf edges, or 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Rebated: 2 No 15x4mm exposed with each seal fitted centrally in the rebate of each leaf. Jambs: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal.
(Prima) LSADD	885mm wide x 2700mm high 835mm wide x 2831mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes, Transomed. (Max. height 1500mm)	Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, 500P, or Halspan Type SLS) Square: 1 No 30x4mm exposed and fitted centrally in the leaf or frame head. Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge

					<p>only.</p> <p>Rebated: 2 No 15x4mm exposed with each seal fitted centrally in the rebate of each leaf.</p> <p>Jambs: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal.</p>
(Prima) LSADD+OP	1077mm wide x 2130mm high 915mm wide x 2499mm high	Wood.	Yes (Max. 1.75 sq. m)	Yes. (Max. height 1500mm)	<p>Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, 500P, or Halspan Type SLS)</p> <p>Square: 1 No 15x4mm exposed and fitted centrally in the leaf or bottom of overpanel. Leaves over 2400mm increase to 20x4mm.</p> <p>Rebated: 2 No 15x4mm exposed with one seal fitted centrally in the rebate of the leaves and one seal fitted centrally in the bottom of the overpanel rebate.</p> <p>Square: 2 No 10x4mm exposed with each seal fitted centrally in both leaf edges, or 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only.</p> <p>Rebated: 2 No 15x4mm exposed with each seal fitted centrally in the reabate of each leaf.</p> <p>Jambs: 1 No 10x4mm exposed and fitted centrally in the leaf or frame reveal.</p>

(Prima) LSASD	1066mm wide x 2040mm high 826mm wide x 2598mm high	Steel.	Yes (Max. 1.75 sq. m)	No.	Yes. Head: H30. Jambs: H30.
(Prima) LSASD+OP	901mm wide x 2040mm high 826mm wide x 2190mm high	Steel.	Yes (Max. 1.75 sq. m)	Yes. (Max. height 500mm)	Yes. (PVC Encapsulated Halspan Type SLS) Square: 1 No 20x4mm exposed and fitted centrally in the leaf bottom of the overpanel. Rebated: 2 No 10x4mm exposed with one seal fitted centrally in the rebate of the leaf and one seal fitted centrally in the bottom of the overpanel rebate. Jambs & Overpanel: H30.
(Prima) LSADD	1016mm wide x 2040mm	Steel.	Yes (Max. 1.75 sq.	No.	Yes. (PVC Encapsulated Halspan Type SLS) Head: H30.

	high 826mm wide x 2498mm high		m)		Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs: H30.
(Prima) LSADD+OP	851mm wide x 2040mm high 826mm wide x 2090mm high	Steel.	Yes (Max. 1.75 sq. m)	Yes. (Max. height 500mm)	Yes. (PVC Encapsulated Halspan Type SLS) Square: 1 No 20x4mm exposed and fitted centrally in the leaf or bottom of the overpanel. Rebated: 2 No 15x4mm exposed with one seal fitted centrally in the rebate of leaves and one seal fitted centrally in the bottom of the overpanel rebate. Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs & Overpanel: H30.
(Prima) LSASD	1638mm wide x 2135mm high 1105mm wide x 3167mm high	Steel. Backfilled with concrete or mortar.	Yes (Max. 1.75 sq. m)	No.	Yes. (PVC Encapsulated Therm-A-Seal - Intumescent Seals Ltd.) Square: 1 No 20x4mm exposed and fitted centrally in the leaf head. Leaves over 2300mm increase to 25x4mm. Leaves over 2600mm increase to 38x4mm. Jambs: 1 No 20x4mm exposed and fitted centrally in the leaf edge. Leaves over 1300mm increase to 25x4mm. Leaves over 1500mm increase to 38x4mm.

(Prima) LSASD+OP	875mm wide x 2135mm high 800mm wide x 2285mm high	Steel. Backfilled with concrete or mortar.	Yes (Max. 1.75 sq. m)	Yes. (Max. height 500mm)	Yes. (PVC Encapsulated Therm-A-Seal - Intumescent Seals Ltd.) Square: 1 No 20x4mm exposed and fitted centrally in the leaf or bottom of the overpanel. Rebated: 2 No 10x4mm exposed with one seal fitted centrally in the rebate of the leaf and one seal fitted centrally in the bottom of the overpanel rebate. Jambs & Overpanel: 1 No 20x4mm exposed and fitted centrally in the leaf and overpanel edge.
(Prima) LSADD	929mm wide x 2135mm high 800mm wide x 2462mm high	Steel. Backfilled with concrete or mortar.	Yes (Max. 1.75 sq. m)	No.	Yes. (PVC Encapsulated Therm-A-Seal - Intumescent Seals Ltd.) Head: 1 No 20x4mm exposed and fitted centrally in the leaf. Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs: 1 No 20x4mm exposed and fitted centrally in the leaf edge.

(Prima) LSADD+OP	825mm wide x 2135mm high 800mm wide x 2185mm high	Steel. Backfilled with concrete or mortar.	Yes (Max. 1.75 sq. m)	Yes. (Max. height 500mm)	Yes. (PVC Encapsulated Therm-A-Seal - Intumescent Seals Ltd.) Square: 1 No 20x4mm exposed and fitted centrally in the leaf or bottom of the overpanel. Rebated: 2 No 15x4mm exposed with one seal fitted centrally in the rebate of leaves and one seal fitted centrally in the bottom of the overpanel rebate. Square: 2 No 10x4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs & Overpanel: 1 No 20x4mm exposed and fitted centrally in the leaf and overpanel edge.
(Prima) LSASD	935mm wide x 2700mm high 835mm wide x 2931mm high	Aluminum.	Yes (Max. 1.75 sq. m)	No.	Yes. (PVC Encapsulated Therm-A-Seal - Intumescent Seals Ltd.) Head: 1 No 30x4mm exposed and fitted centrally in a rebate in the leaf head. Jambs: 1 No 20x4mm exposed and fitted centrally in a rebate in the leaf edge.
(Prima) LSADD	885mm wide x 2700mm high 835mm wide x	Aluminum.	Yes (Max. 1.75 sq. m)	No.	Yes. (PVC Encapsulated Therm-A-Seal - Intumescent Seals Ltd.) Head: 1 No 30x4mm exposed and fitted centrally in a rebate in the leaf head or frame reveal. Square: 2 No 10x4mm exposed

	<p>2831mm high</p>				<p>and fitted 5mm either side of the centerline in one leaf edge only. Jamb: 1 No 20x4mm exposed and fitted centrally in a rebate in the leaf edge or frame reveal. Doorsets with a latch or lock must fit 1mm thick Interdens or 2mm thick Therm-A-Strip under the forend and keep.</p>
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Please note: Consult Manufacturing and Machining sections of this listing for hardware intumescent requirements.

DEFINITION KEY

- LSASD** - Latched Single Acting Single Doorset
- LSASD+OP** - Latched Single Acting Single Doorset with Overpanel
- LSADD** - Latched Single Acting Double Doorset
- LSADD+OP** - Latched Single Acting Double Doorset with Overpanel

Please consult Intertek or Halspan with any questions that pertain to the door construction referenced within this listing.

Certificate of Compliance



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

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: WHI22-14142021

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
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: March 18, 2022

Date of expiry: December 31, 2022

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

www.intertek.com

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

LISTING INFORMATION

CATEGORY A DOOR - No additional edge sealing system required.

CONFIGURATION

Single-Swing Door dimensions:

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

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

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

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

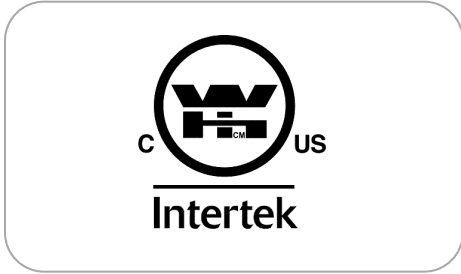
NOTES:

- 1 - Pairs are not allowed
- 2 - These doors are eligible for use in any "Category C - Standard" frame
- 3 - For use with listed and labeled Warm Springs Mineral Composite 90 Minute frame system.

Hardware Limitations:

Cylindrical / Cylindrical with Deadbolt / Mortise / Surface-Mounted Fire Exit Devices / Surface Mounted or Mortised Door Bottoms / Surface Mounted or Concealed Closers (60 Minute Max. for Concealed Closer) / Protection Plates / Threshold

Certificate of Compliance



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

You have been awarded:

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

Standards: CAN / ULC S104 (2015), UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

Certificate number: WHI20-14142053

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: BAN FOUR DWC-LLC - DANSNBAN - 1-hour Single Swing
Wooden Composite Door
Spec ID: 55941
Fire Rating: 60 Min PP Category B Door
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: October 06, 2020
Date of expiry: December 31, 2022
Issue status: 3

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

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LISTING INFORMATION

FIRE RESISTANT PRODUCTS & COMPONENTS

CATEGORY B DOORS – ADDITIONAL EDGE-SEALING SYSTEM REQUIRED

PRODUCT COVERED

DANSNBAN 1 hour Single Swing Wooden Composite Door

Model: DANSNBAN FR60UL

Door Size (single swing):

Maximum Width: 1100 mm

Maximum Height: 2400 mm

Minimum Thickness: 45 mm

PRODUCT DESCRIPTION

Hardware Limitations: Cylindrical Lock with maximum bucket 2-3/4 in (70mm) and maximum cylindrical bore hole size of 2-1/8 in (54mm).

Configuration - Size

Single Swing - 1100mm wide x 2400mm high x 45mm thick

Standard Pairs - Not allowed.

Double Egress- Not allowed.

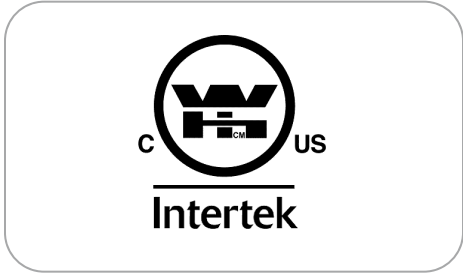
For use with BAN FOUR DWC-LLC - DANSNBAN - 1-hour Wooden Composite Frame only.

BAN FOUR DWC-LLC - DANSNBAN - 1-hour Single Swing Wooden Composite Door is fastened to an aerated concrete or masonry wall by steel bar with nail. The maximum clearance between the wall and the frame is 10mm and the clearance is filled with mineral wool clad with quick-setting cement.

FIRE RATINGS

The product noted above has been tested and qualified 1-hour positive pressure fire rated applications per UL 10C, NFPA 252, and 1-hour neutral pressure fire rated applications per CAN/ULC-S104, UL 10B.

Certificate of Compliance



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

You have been awarded:

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

Standards: CAN / ULC S104 (2015), UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

Certificate number: WHI20-14142051

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: BAN FOUR DWC-LLC - DANSNBAN - 20 Minutes Single Swing Wooden Composite Door
Spec ID: 55942
Fire Rating: 20 Min w/Hose Stream PP Cat B Door
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: October 06, 2020
Date of expiry: December 31, 2022
Issue status: 3

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

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

LISTING INFORMATION

FIRE RESISTANT PRODUCTS & COMPONENTS

CATEGORY B DOORS – ADDITIONAL EDGE-SEALING SYSTEM REQUIRED

PRODUCT COVERED

DANSNBAN 20 Minutes Single Swing Wooden Composite Door

Model: DANSNBAN FR20UL

Door Size (single swing):

Maximum Width: 1100 mm

Maximum Height: 2400 mm

Minimum Thickness: 45 mm

PRODUCT DESCRIPTION

Hardware Limitations: Cylindrical Lock with maximum bucket 2-3/4 in (70mm) and maximum cylindrical bore hole size of 2-1/8 in (54mm).

Configuration - Size

Single Swing - 1100mm wide x 2400mm high x 45mm thick

Standard Pairs - Not allowed.

Double Egress- Not allowed.

For use with BAN FOUR DWC-LLC - DANSNBAN - 20 Minutes Wooden Composite Frame or Steel Frame (steel frame must be filled with cement grouting).

BAN FOUR DWC-LLC - DANSNBAN - 20 Minutes Single Swing Wooden Composite Door is fastened to an aerated concrete or masonry wall by steel bar with nail. The maximum clearance between the wall and the frame is 10mm and the clearance is filled with mineral wool clad with quick-setting cement.

FIRE RATINGS

The product noted above has been tested and qualified 20 Minutes (with hose stream rating) positive pressure fire rated applications per UL 10C, NFPA 252, and 20 Minutes neutral pressure fire rated applications per CAN/ULC-S104, UL 10B.

Certificate of Compliance



You have been awarded:

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

Standards: CAN / ULC S104 (2015), UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

Certificate number: WHI20-14142054

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

Organization: Modern Wood Works Factory Co.

P.O. Box 879

Second Industrial City

Dammam 31952

Kingdom of Saudi Arabia

Product: BAN FOUR DWC-LLC - DANSNBAN - 1-hour Single Swing Wooden Composite Door Frame

Spec ID: 55943

Fire Rating: 60 Min PP Category C Proprietary Frame

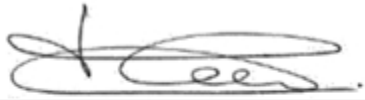
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 06, 2020

Date of expiry: December 31, 2022

Issue status: 3

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

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LISTING INFORMATION

FIRE RESISTANT PRODUCTS & COMPONENTS

CATEGORY C - PROPRIETARY FRAMES

PRODUCT COVERED

DANSNBAN 1-hour Single Swing Wooden Composite Door Frame

Model: DANSNBAN FR60UL

For use with BAN FOUR DWC-LLC - DANSNBAN - 1-hour Single Swing Wooden Composite Door only.

PRODUCT DESCRIPTION

Frame type: Wooden Composite Frame

Type of wall for use with: Aerated concrete wall or Masonry wall

Frame stop: 15.5 mm high at header and jamb edges

Overall Frame Size (Single Swing):

Maximum Width: 1166mm

Maximum Height: 2437mm

Minimum Depth: 120mm

Door Size (Single Swing):

Maximum Width: 1100mm

Maximum Height: 2400mm

Minimum Thickness: 45mm

Standard Pairs - Not allowed

Double Egress - Not allowed

The frame was fastened to an aerated concrete or masonry wall by steel bar with nails. The maximum clearance between the wall and the frame is 10mm and the clearance is filled with mineral wool clad with quick-setting cement.

FIRE RATINGS

BAN FOUR DWC-LLC - DANSNBAN - 1-hour Single Swing Wooden Composite Door Frame for use in 1-hour positive pressure fire rated applications per UL 10C, NFPA 252, and 1-hour neutral pressure fire rated applications per CAN/ULC-S104, UL 10B.

Certificate of Compliance



You have been awarded:

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

Standards: CAN / ULC S104 (2015), UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

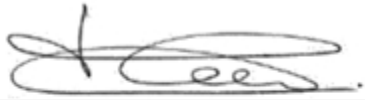
Certificate number: WHI20-14142052

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

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: BAN FOUR DWC-LLC - DANSNBAN - 20 Minutes Single Swing Wooden Composite Door Frame
Spec ID: 55945
Fire Rating: 20 Min PP Category C Proprietary Frame
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: October 06, 2020
Date of expiry: December 31, 2022
Issue status: 3

Authorized By: 
Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc.
545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA
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www.intertek.com

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LISTING INFORMATION

FIRE RESISTANT PRODUCTS & COMPONENTS

CATEGORY C - PROPRIETARY FRAMES

PRODUCT COVERED

DANSNBAN 20 Minutes Single Swing Wooden Composite Door Frame

Frame Model: DANSNBAN FR20UL

For use with BAN FOUR DWC-LLC - DANSNBAN - 20 Minutes Single Swing Wooden Composite Door only.

PRODUCT DESCRIPTION

Frame type: Wooden Composite Frame

Type of wall for use with: Aerated concrete wall or Masonry wall

Frame stop: 15.5 mm high at header and jamb edges

Overall Frame Size (Single Swing):

Maximum Width: 1166mm

Maximum Height: 2437mm

Minimum Depth: 120mm

Door Size (Single Swing):

Maximum Width: 1100mm

Maximum Height: 2400mm

Minimum Thickness: 45mm

Standard Pairs - Not allowed

Double Egress - Not allowed

The frame was fastened to an aerated concrete or masonry wall by steel bar with nails. The maximum clearance between the wall and the frame is 10mm and the clearance is filled with mineral wool clad with quick-setting cement.

FIRE RATINGS

BAN FOUR DWC-LLC 20 Minutes Single Swing Wooden Composite Door Frame for use in 20 Minutes positive pressure fire rated applications per UL 10C, NFPA 252, and 1-hour neutral pressure fire rated applications per CAN/ULC-S104, UL 10B.

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: WHI20-14142055

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

Organization: Modern Wood Works Factory Co.

P.O. Box 879

Second Industrial City

Dammam 31952

Kingdom of Saudi Arabia

Product: BAN FOUR DWC-LLC - DANSNBAN - Single Swing
Wooden Composite Door and Frame Assembly (FR60BS)

Spec ID: 56086

Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.

Initial registration: October 06, 2020

Date of expiry: December 31, 2022

Issue status: 3

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

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LISTING INFORMATION

Product Covered:

BAN FOUR DWC-LLC - DANSNBAN - Single Swing Wooden Composite Door and Frame Assembly

Product Description:

FIRE RESISTANT PRODUCTS & COMPONENTS
CATEGORY D DOORS - DOOR/FRAME ASSEMBLIES

Model: DANSNBAN - FR60BS

Maximum Door leaf Size: 1100mm wide x 2400mm high
Door Thickness: 45mm
Maximum Frame Size 1166 mm wide x 2437mm high x 120mm deep

Frame type: Composite Wooden Frame
Type of wall for use with: Aerated concrete wall or Masonry wall.
Frame stop: 10mm at head and jamb.
Minimum one Single Point Mortise Lock on the leaf.

Configuration & Size

Single Swing 1100mm wide x 2400mm high x 45mm thick (Door)
1166mm wide x 2437mm high x 120mm deep (Frame)

Standard Pairs Not allowed
Double Egress Not allowed

Installation Method: DANSN- Single Swing Wooden Composite Door was fastened to an aerated concrete or masonry wall by steel bar with nail. The maximum clearance between the wall and the frame is 10mm and the clearance is filled with mineral wool clad with quick-setting cement.

FIRE RATINGS

The product noted above has qualified for the following ratings according to BS 476 Part 20 & 22:

Performance Criteria	Results
Integrity	60 Minutes
Insulation	60 Minutes

Certificate of Compliance



You have been awarded:

Intertek WH US Mark for Category C - Proprietary Frames

Standards: UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

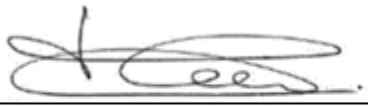
Certificate number: WHI21-14142008

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

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: Halspan - Timber Door Frame - 20 Minutes - UL 10C
Spec ID: 58074
Fire Rating: 20 Min PP Category C Proprietary Frame
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 14, 2021
Date of expiry: December 31, 2022
Issue status: 2

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

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LISTING INFORMATION

PRODUCT COVERED

Halspan - Timber Door Frame - 20 Minutes - UL 10C

Category-C Proprietary Frames

PRODUCT DESCRIPTION

Single Rabbet Timber door frame (Material - Hardwood, minimum density - 720kg/m³) for installation in masonry wall openings. For use with listed wood or wood-composite fire doors.

For use with Category B doors - LP2004 (20mm x 4mm) intumescent seal, self-adhered into the grooves on the rebate of both vertical edges and on the head of the door frame is required.

Intumescent edge seal is not required with Category A doors.

Maximum Sizes:

Single door frame - 1285mm x 2479mm (w x h)

Double door frame - 2507mm x 2477mm (w x h)

Minimum Jamb Depth - 150mm

Minimum Stop Height - 14mm

Minimum Face width - 30/44mm

Supporting Construction - Masonry wall assemblies.

Fire Rating

The product noted above has been tested and qualified per UL 10C for **20 Minutes with hose stream** Positive Pressure Fire Rating.

Also meets the requirements of UL 10B for a 20 minutes with hose stream Neutral Pressure Fire Rating and NFPA 252 for a 20 minutes with hose stream Positive Pressure Fire Rating.

Certificate of Compliance



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

You have been awarded:

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


Standards: CAN / ULC S104 (2015), UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

Certificate number: WHI21-14142033

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: Halspan Universal Plus 20-90 Minute NP/PP Wood Composite Fire Door
Spec ID: 58333
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 14, 2021
Date of expiry: December 31, 2022
Issue status: 2

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

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LISTING INFORMATION

FIRE RESISTANT PRODUCTS & COMPONENTS

CATEGORY A DOORS - NO ADDITIONAL EDGE-SEALING SYSTEM REQUIRED

Category "A" Wood Composite Core, swinging door for use in 20 through 90 minute positive pressure assemblies (also eligible for use in neutral pressure assemblies).

CATEGORY B DOORS - ADDITIONAL EDGE-SEALING SYSTEM REQUIRED

Category "B" Wood Composite Core, swinging door for use in 20 through 90 minute positive pressure assemblies (also eligible for use in neutral pressure assemblies). A surface applied Category G intumescent edge seal system is required.

PRODUCT COVERED

Halspan Universal Plus 20-90 Minute Wood Composite Fire Door

PRODUCT DESCRIPTION

Hardware Limitations: Cylindrical / Cylindrical with Deadbolt / Surface-Mounted Vertical Rod Fire Exit Devices / Rim-Type Surface Mounted Fire Exit Devices / Surface Bolts or Mortised Flush Bolts / Surface Mounted or Concealed Door Bottoms / Surface Mounted or Concealed Closers or Overhead Stops / Viewer / Vision Kit:
Temperature Rise = Maximum of 960 in² in temperature rise glazing for a 45-90 minute rating; Non-Temperature Rise = 2,176 in² for a 45 minute rating / Raceway / EPT / Plant-Ons / Protection Plates / Reveals and Inlays.

Configuration

Maximum Size

Single

4'0" wide x 9'0" high

Standard Pair

See Table below.

Double Egress

See Table below.

* See table and comments below.

Duration (minutes)	Maximum size (w x h)	Swing	Latching	Metal Edge (5")	Comments
Up to 90	8'0" by 8'0"	Std Pair	SVR 4 Pt.	No	None
Up to 90	8'0" by 8'0"	Std Pair	3 Pt. latching Auto or manual flushbolts	No	Cylindrical or Mortise minimum 1/2" throw
Up to 90	8'0" by 9'0"	Std Pair	3 Pt. latching Auto or	No	Cylindrical or Mortise minimum

			manual flushbolts		1/2" throw, Medium density core required for pairs from 8'0" to 9'0"
Up to 90	8'0" by 8'0"	Double Egress	SVR 4 pt.	No	Must have top and bottom rod Hardware

The product noted above has been tested and qualified per UL 10C, NFPA 252, and CAN/ULC S104 for a 20-90 Minute Positive Pressure Fire Rating.

These doors are eligible for use in any "Category C - Standard" frame. These doors may also be installed in frames listed in "Category C - Proprietary" in the accordance with the frame manufacturer's individual listing.

The door noted above is eligible to bear the "S" (for Smoke & Draft Control assemblies) if a listed "Category H - Smoke & Draft Control Gasket" has been applied to the assembly. Please refer to Category H for individual gasket manufacturer's listings.

Certificate of Compliance



You have been awarded:

Intertek WH US Mark for Category C - Proprietary Frames

Standards: UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

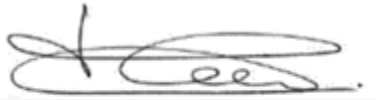
Certificate number: WHI21-14142034

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

Organization: Modern Wood Works Factory Co.
P.O. Box 879
Second Industrial City
Dammam 31952
Kingdom of Saudi Arabia

Product: Halspan - Universal Timber Frame Section - 90 Minutes - UL 10C
Spec ID: 60136
Fire Rating: 90 Min PP Category C Proprietary Frame
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: February 14, 2021
Date of expiry: December 31, 2022
Issue status: 2

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

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LISTING INFORMATION

PRODUCT COVERED

Halspan - Universal Timber Frame Section - 90 Minutes - UL 10C

Category-C Proprietary Frames

PRODUCT DESCRIPTION

Single Rabbet door frame (Material - LVL) for installation in masonry wall openings. For use with listed Category A or Category B timber based fire doors.

For use with Category B doors - SLS-KIT-180 (25mm x 2mm) or equivalent Category G intumescent seal, self-adhered into the grooves on the rebate of both vertical edges and on the head of the door frame is required. Intumescent edge seal is not required with Category A doors.

Maximum Sizes:

Single door frame - 1062 x 2432mm (w x h)

Minimum Jamb Depth - 100mm

Minimum Stop Height - 30mm

Maximum Rebate - 65mm

Minimum Face width - 30/60mm

Supporting Construction - Masonry wall

Fire Rating

The product noted above has been evaluated according to the requirements of the standard UL 10C and has qualified for up to 90 minutes (1-1/2 hours) positive pressure fire rating.

Also meets the requirements of UL 10B (Neutral Pressure Fire Rating) and NFPA 252 (Positive Pressure Fire Rating).



PROJECTS LIST



PROJECTS LIST

	CLIENT NAME	PROJECT	DESCRIPTION
1	AL-KHODARI	PRINCE MOHAMMAD PALACE	Bar counter, counters, etc.
2	AL-LATIFIA CONSTRUCTION CO.	DAR-AL-YOUM BUILDING	Doors and frames, kitchen cabinets
3	AL-MANA HOSPITAL	AL-KHOBAR 2ND FLOOR RENOVATION	Doors and frames, counters, skirting, molding, etc.
4	AL-MANA HOSPITAL	NEW O.P.D. BUILDING	Doors and frames, skirting, molding, etc.
5	AL-MORABA	STAFF QUARTERS	Bed table, chair, misc. Furniture
6	AL-NAFA CONTRACTING	AIR FORCE SECTOR COMMAND	Doors & frames, counters
7	AL-NASAR TRADING	PARK PLAZA SUITES	Cabinets, panelling, kitchen, vanity, furniture, etc.
8	AL-OSAIS	ARAMCO WORK OVER	Kitchen cabinet, counter
9	AL-RAKAYAN	KHOBAR PALACE HOTEL	Doors & frames, masharabia, coffee tables decorations, partitions, etc.
10	AL-SAIF CONSTRUCTION CO.	KHAMIS MUSHAYT AIR FORCE	Customized cabinets, wall paneling, ceiling panels
11	AL-SAIF CONSTRUCTION CO.	RIYADH	Wall paneling, customized cabinets
12	AMEC	SADAF 60 VILLAS HOUSING	Doors & frames, handrails kitchen cabinets, closets
13	AL-SUWAIDI	AL-SWAIDI VILLAS	Doors & frames, handrail, kitchen cabinets
14	ARABIAN FAL	IBN-BAYTAR 96 FLATS	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets, pergola etc.



	CLIENT NAME	PROJECT	DESCRIPTION
15	ARABIAN FAL	IBN-BAYTAR 88 FLATS	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets, pergola
16	ARABIAN FAL	IBN-SINA 101 VILLAS	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets, pergola
17	ARABIAN TURKISH CONSTRUCTION CO.	RAKKAH HOUSING COMPLEX, 16 VILLAS	Doors & frames
18	AUJAN CRESTWOOD	MISCELLANEOUS	Kitchen counter tops
19	BALLAST NEDAM GROUP	AL-KHOBAR AIR BASE	Customized cabinets, wall paneling, ceiling panels
20	CONSTRUCTION & DEVELOPMENT CO. LTD.	HALF-MOON 50 VILLAS AND MISC. BLDGS.,	Doors& frames, handrail, bedroom closets, vanity, etc.
21	DONGSAM CONSTRUCTION CO.	JUBAIL WATER SYSTEM	Display cabinet & counter
22	DR. SALEM	PRIVATE VILLA	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
23	FAFCO	PETROKEMYA 50 VILLAS	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
24	ENKAARABIA LTD.	PETROKEMYA 50 VILLAS	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
25	PAFCO	RAZI 30 VILLA HOUSING	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
26	PAFCO	GUMAIZ 50 VILLA HOUSING PROJECT	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
27	GLOBE MARINE	HEAD QUARTERS BLDG.	Tables, desks, chairs, beds
28	GUADIBIYA, BAHRAIN	17 VILLA JUFFAIR	Doors & frames, vanity, kitchen cabinets, etc.
29	GUADIBIYA, BAHRAIN	18 VILLA JUFFAIR	Doors & frames, vanity, kitchen cabinets, etc.



	CLIENT NAME	PROJECT	DESCRIPTION
30	GUADIBIYA, BAHRAIN	SHOP AT EXHIBITION ROAD	Cabinets, fittings, etc.
31	HAMAD SANAD	IBN-BAYTAR 24-FLAT	Kitchen cabinets, vanity, etc.
32	HASSAN AL-BRAHIM	IBN-BAYTAR 5-VILLAS	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets, etc.
33	IBRAHIM DOSSARY	PRIVATE VILLA	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
34	ISAM KABBANI	ARAMCO GUEST HOUSES, VARIOUS BLDGS. IN ARAMCO	Doors & frames, vanities, skirting, etc.
35	K. F. U. P. M.	STAFF QUARTERS	Furniture
36	MODECO	HANCO HEAD OFFICE	Floor & wall ceiling
37	MODECO	RESTAURANT	Decoration & shop fittings
38	NAJEEB AL-ZAMIL	SAFCO 36 FLATS	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
39	NAJEEB AL-ZAMIL	PRIVATE VILLA	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
40	NAVAL BASE	STAFF ACCOMMODATION	Bedrooms & furniture
41	NAVAL BASE	STAFF QUARTERS	Doors & frames, bedroom closets, etc.
42	POONG LIM S.A. LTD.	JUBAIL WATER SYSTEM	Doors & frames, handrail, bedroom closets, vanity, kitchen cabinets
43	PRINCE MOHAMMAD FAHAD	CLUB HOUSE	Bar counters, display cabinets
44	RAYMONDS	SHARQ 103 VILLAS	Main doors
45	RAYMONDS	SCECO HEAD QUARTERS	Doors & frames
46	RAYMONDS S.A.	SCECO RECREATION	Display cabinets & kitchen cabinets
47	REZAYAT COMPANY LTD.	ARAMCO CENTER	Cabinets
48	SAMIR PHOTOGRAPHIC SUPPLIES	ARAMCO AIR BASE	Special lecterns



	CLIENT NAME	PROJECT	DESCRIPTION
49	SAUDI ARABIAN MARKETS	ARAMCO & MISC.	Doors & frames, counters, closets, vanities, etc.
50	SAUDI DUMEZ CO.	CHAMBER OF COMMERCE	Doors & frames, wall paneling, ceiling, etc.
51	SAUDI FRANSI BANK	H.Q. AL-KHOBAR	Desks, tables, panelling,
52	SAUDI MC INEREY	SAUDI HOUSING	Doors & frames, handrail, bedroom closets, kitchen cabinets
53	TANNAH KITCHEN FACTORY	U.S.M. T. M. 96 APARTMENTS	Kitchen counter tops
54	TARIQ HUSSAIN	PRIVATE VILLA	Doors & frames, handrail, bedroom closets, kitchen cabinets
55	U.S. ARMY	STAFF QUARTERS	Doors & frames, desks, beds, chairs, tables, etc.
56	UNITED CONSTRUCTION	HOFUF 6 VILLAS	Doors & frames, vanity, handrail, bedroom closets, kitchen cabinets
57	AL-KHONAINI INTERNATIONAL CO.	SABIC HOUSING PROJECT	Solid wood panel & flush doors
58	SALEH AL-QAED, BAHRAIN	FUTURE TOWER	Doors & frames, closets, kitchen, bedroom & living room complete furniture
59	KHALID JAMSHAD, BAHRAIN	BAHRAIN ENGINEERING BUREAU, BAHRAIN	Doors & frames, closets & cabinets
60	AL MUHAFAER CONT. COMPANY	AL ZAYYAT VILLA, KHOBAR	Doors & frames, closets & vanity cabinets
61	WALEED KOOHEJI, BAHRAIN	SAWRA TOWER	Doors & frames, kitchen cabinets, closets, vanities, bedroom and living room furniture
62	WALEED KOOHEJI, BAHRAIN	MIDDLE EAST PLAZA	Kitchen, bedroom & living room furniture
63	A. A. TURKI CORPORATION	JUBAIL INDUSTRIAL COLLEGE	Solid core flush doors and kitchen
64	DADABHAI CONTRACTING COMPANY	10 STOREY BUILDING IN BAHRAIN	Door frames, kitchens, closets, cabinets, bedroom & living room furniture
65	SALEH AL QAED	FUWAZIA TOWER, BAHRAIN	Bedroom & living room furniture
66	AHMED MANSOOR AL-ALI	AL-AREEN SUNSET HILL	Doors & frames



	CLIENT NAME	PROJECT	DESCRIPTION
67	AL-HAMAD CONSTRUCTION	ABRAJ AL-LULU TOWER	Kitchen & wardrobes
68	ARIF SADIQ DESIGN CONSULTANT	OFFICE BUILDING AT MAHOZ	Office work station & office furniture
69	BOKHOWA CONSTRUCTION	DURRAT-UL-BAHRAIN PROJECTS	Built-in cabinets & vanity
70	DREAM GROUP	DREAM TOWER JUFFAIR	Supply & installation of doors & frames
71	G. P. ZACHARIADES LIMITED	DURRAT-UL-BAHRAIN PROJECTS	Supply & installation of office furniture
72	LAND MARK DEVELOPERS	AL-SARAF PEARL OASIS 17 VILLAS	Supply & installation of cabinets
73	FALCON PROPERTIES	ZAWYE TOWER AMWAJ ISLAND	Supply & installation of doors & frames
74	FALCON PROPERTIES	ALIA MANSION AMWAJ ISLAND	Doors, frames and furniture
75	MOSTAFA BIN A. LATIF NV. CO.	BUTTERFLY TOWER, JUFFAIR	Supply & installation of doors , frames & cabinets
76	PCC TERNA W.L.L.	RIFFA VIEW VILLAS	Vanity, handrail, doors, frames and cabinets
77	RASOOL AL-JISHI	26 VILLA-JERDAB	Doors, frames and kitchen cabinets
78	POULLAIDES CONSTRUCTION COMPANY W.L.L.	RIFFA VIEW VILLAS	Handrail, bedroom closets & kitchen cabinet
79	CHINA RAILWAY	DHAHRAN EXPENSION PROJECT	Supply & installation of doors , frames & cabinets
80	ARABTEC	DHAHRAN EXPENSION PROJECT	Supply & installation of doors , frames & cabinets
81	AZMEEL	DHAHRAN EXPENSION PROJECT	Supply & installation of doors , frames & cabinets
82	AL-KHONAINI INTERNATIONAL CO.	DHAHRAN EXPENSION PROJECT	Supply & installation of doors , frames & cabinets
83	AL KIFAH CONTRACTING COMPANY	C-26 RC JUBAIL	Supply & installation of doors.
84	BAHRAIN DEFENCE FORCES	KING HAMMAD UNIVERSITY HOSPITAL	Supply & installation of fire rated doors.
85	INTERNATIONAL HOSPITALS CONSTRUCTION CO. (IHCC)	SAUDI GERMAN HOSPITAL DAMMAM (300 BEDS)	Supply & installation of fire rated doors.
86	PROJECT BUILD Co.	PROCARE HOSPITAL	Supply & installation of fire rated doors.



QUALITY GUARANTEED

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