



**NATIONAL COMPANY.**  
FOR MEDICAL FURNITURE & METAL INDUSTRIES



**AL-AALAMI FACTORY CO.**  
FOR FURNITURE & WOODEN INDUSTRIES

# STEEL & WOODEN DOORS & FRAMES

TOP QUALITY DOORS & FRAMES

FROM PROFESSIONALS FOR PROFESSIONALS



**intertek**  
Total Quality. Assured.



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**NATIONAL COMPANY.**  
FOR MEDICAL FURNITURE & METAL INDUSTRIES



**AL-AALAMI FACTORY CO.**  
FOR FURNITURE & WOODEN INDUSTRIES

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# - MISSION & VISION - INTRODUCTION TO NCM&AFF



**NATIONAL COMPANY.**  
FOR MEDICAL FURNITURE & METAL INDUSTRIES



**AL-AALAMI FACTORY CO.**  
FOR FURNITURE & WOODEN INDUSTRIES

**STEEL &  
WOODEN  
DOORS & FRAMES**  
TOP QUALITY DOORS & FRAMES  
FROM PROFESSIONALS FOR PROFESSIONALS



**National Company for Medical Furniture and Metal Industries (NCM) & Al' Aalami Factory For Furniture and Wooden Industries LLC (AFF)** One of the national leader's Companies founded by **Engineer.Mahir Kanaan** in the Metal & Wooden Industries

It is worth noting that both manufacturers work with us wholly and harmoniously to meet all needs to satisfy a broad segment of their valued customers.

### **Mission & Vision Statement:**

**Our Mission** is to target well renounced & reliable clients in the market and provide them with innovative, trusted & reliable Steel & Wood works using digital and automated technologies to ensure them with high impact, quality driven, and cost-effective solutions.

**Our Vision** is to be a leader in the automated Steel & wood work manufacturing industry and to be at the forefront of innovative technologies

### **Introduction To NCM & AFF**

**National Company for Medical Furniture and Metal Industries (NCM)** has been established in the year 2000 located in kingdom of Saudi Arabia with a total area of about 10,000 sqm.

Since the Establishment Of National Company for Medical Furniture and Metal Industries (NCM) in year 2000, we decided to be one of the leaders in the field of manufacturing of Scientific Labs and supplying, Sheet Metal fabrication. in Saudi Arabia and that dream has been converted into reality.

**Al' Aalami Factory For Furniture and Wooden Industries LLC (AFF)** is a national factory located in Riyadh, Saudi Arabia since 1991. We pride ourselves with our sophisticated and automated production lines which are fully operated with highly experienced operators and craftsmen. Our Management consists of highly qualified engineers who design products, manage and organize all production flows to ensure the full satisfaction of our clients in order to establish their trust in our products. AFF is also a part of a group that consist of multiple companies and manufacturers that also pride themselves with their experiences and history.



## Introduction To NCM & AFF

**Today NCM & AFF is one of National Leaders to producing many types of products such as :**

- Fire Rated Steel Doors & Frames (BS certified) up to 3 hours .
- Fire Rated Steel Frames ( UL certified ) up to 3 hours .
- All types of Wooden Doors including Fire-Rated Types (UL & BS certified}.
- Wooden Wall Cladding.
- Scientific laboratories & furniture for schools and colleges: Student Tables, Teacher's Tables, Fume Hoods, Instrument Cabinets, Chairs...etc
- Electric Steel Enclosures
- Hospital Labs & furniture.
- Laboratory cabinets.
- Libraries furniture.
- Storage Steel shelving, fixed and movable cabinets.
- Educational resources, languages and computer labs.
- Shelves, trolleys, tables, reading chairs for the institutes, schools and colleges.



# ABOUT US NCM&AFF



**NATIONAL COMPANY.**  
FOR MEDICAL FURNITURE & METAL INDUSTRIES



**AL-AALAMI FACTORY CO.**  
FOR FURNITURE & WOODEN INDUSTRIES

**STEEL &  
WOODEN  
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## About US (NCM & AFF):

- One of the National Companies.
- We have International Quality Certificate; ISO 9001-2015
- We have Intertek Certificates to fabricate Steel & Wooden Doors.
- Promoted by Highly qualified & experienced Engineers.
- Manufacturer of all kind of Metal & wooden Industries.
- Fully equipped for all types of customized requirements.
- We maintain high standard of quality output & services.
- We have high-tech material processing machineries, i.e. CNC Punching, Bending, Pressing, Injection Machines and 5 – Stages Automatic Painting line etc.
- Qualified Engineering & labor staff.
- Prompt services, short delivery time.
- National wide delivery and Installation.
- More than 1000 satisfied customers.



# COMPANY REGISTRATIONS





# COMPANY REGISTRATIONS

## NCM



# COMPANY REGISTRATIONS

## ALAALAMI



# QUALITY CERTIFICATES NCM&AFF



**NATIONAL COMPANY.**  
FOR MEDICAL FURNITURE & METAL INDUSTRIES



**AL-AALAMI FACTORY CO.**  
FOR FURNITURE & WOODEN INDUSTRIES

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**STEEL &  
WOODEN  
DOORS & FRAMES**  
TOP QUALITY DOORS & FRAMES  
FROM PROFESSIONALS FOR PROFESSIONALS



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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.

## Certificate of Compliance

You have been awarded:

### Intertek WH US Mark for Category C - Standard Frames

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

Certificate number: WHI20-35616901

**Organization:** National Company for Medical Furniture & Metal Industries (NCM)

P. O. Box 464, Road No. 316, 3rd Industrial Area  
Riyadh 11383  
Kingdom of Saudi Arabia

**Product:** NCM - 20 Minute through 3 Hour Fire Rated Steel Door Frames

*Spec ID:* 58865

*Fire Rating:* 20 Min PP Category C Standard Frames, 45 Min PP Category C Standard Frame, 3 Hour PP Category C Standard Frame, 90 Min PP Category C Standard Frame, 60 Min PP Category C Standard Frame, 2 Hour Positive Pressure

*Listing Information:* See following page(s)

**Certification body:** Intertek Testing Services NA, Inc.

**Initial registration:** December 20, 2020

**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](http://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:

NCM - 20 Minute through 3 Hour Fire Rated Steel Door Frames, for use with fire rated Drywall (steel or wood stud) and fire rated Masonry wall assemblies.

For use with listed fire rated wood or steel doors which are approved for use with this type of fire rated application.

### Qualified Per:

- NFPA 252 (2012) *Standard Methods of Fire Tests of Door Assemblies*
- UL 10B (R2015) *Fire Tests of Door Assemblies*
- UL 10C (2016) *Positive Pressure Tests of Door Assemblies*

### MAXIMUM OPENING SIZES:

#### STANDARD FRAMES:

##### Single Swing:

Maximum Width: 48" (1219 mm)  
Maximum Height: 120" (3048 mm)  
Minimum Wall Thickness: 2" (51 mm)  
Maximum Wall Thickness: 13" (330 mm)

##### Standard Pairs:

Maximum Width: 96" (2438 mm)  
Maximum Height: 120" (3048 mm)  
Minimum Wall Thickness: 2" (51 mm)  
Maximum Wall Thickness: 13" (330 mm)

##### Double Egress Pairs:

NOT PERMITTED

##### Door with Fixed Bar Transom:

##### Single Swing:

Maximum Width: 48" (1219 mm)  
Maximum Height: 120" (3048 mm)  
Maximum Transom Width: 48" (1219 mm)  
Maximum Transom Height: 32" (812 mm)  
Minimum Wall Thickness: 4" (102 mm)  
Maximum Wall Thickness: 13" (330 mm)

##### Standard Pairs:



Maximum Width: 96" (2438 mm)  
Maximum Height: 120" (3048 mm)  
Maximum Transom Width: 96" (2438 mm)  
Maximum Transom Height: 32" (812 mm)  
Minimum Wall Thickness: 4" (102 mm)  
Maximum Wall Thickness: 13" (330 mm)



LISTING INFORMATION OF

## NCM - 20 Minute through 3 Hour Fire Rated Steel Door Frames

SPEC ID: 58865

National Company for Medical Furniture & Metal Industries (NCM)  
P. O. Box 464, Road No. 316, 3rd Industrial Area  
Riyadh 11383  
Kingdom of Saudi Arabia

This report is for the exclusive use of Intertek's Client and is provided pursuant to the 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 report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



## LISTING INFORMATION

### Product Covered:

NCM - 20 Minute through 3 Hour Fire Rated Steel Door Frames, for use with fire rated Drywall (steel or wood stud) and fire rated Masonry wall assemblies.

For use with listed fire rated wood or steel doors which are approved for use with this type of fire rated application.

### Qualified Per:

- NFPA 252 (2012) *Standard Methods of Fire Tests of Door Assemblies*
- UL 10B (R2015) *Fire Tests of Door Assemblies*
- UL 10C (2016) *Positive Pressure Tests of Door Assemblies*

### MAXIMUM OPENING SIZES:

#### STANDARD FRAMES:

##### Single Swing:

Maximum Width: 48" (1219 mm)  
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Minimum Wall Thickness: 2" (51 mm)  
Maximum Wall Thickness: 13" (330 mm)

##### Standard Pairs:

Maximum Width: 96" (2438 mm)  
Maximum Height: 120" (3048 mm)  
Minimum Wall Thickness: 2" (51 mm)  
Maximum Wall Thickness: 13" (330 mm)

##### Double Egress Pairs:

NOT PERMITTED

##### Door with Fixed Bar Transom:

##### Single Swing:

Maximum Width: 48" (1219 mm)  
Maximum Height: 120" (3048 mm)  
Maximum Transom Width: 48" (1219 mm)  
Maximum Transom Height: 32" (812 mm)  
Minimum Wall Thickness: 4" (102 mm)  
Maximum Wall Thickness: 13" (330 mm)

##### Standard Pairs:





Maximum Width: 96" (2438 mm)  
Maximum Height: 120" (3048 mm)  
Maximum Transom Width: 96" (2438 mm)  
Maximum Transom Height: 32" (812 mm)  
Minimum Wall Thickness: 4" (102 mm)  
Maximum Wall Thickness: 13" (330 mm)

Attribute	Value
Certificate Date of Expiry	December 31, 2022
Certificate Date of Initial Registration	December 20, 2020
Certificate Number	WHI20-35616901
Criteria	UL 10(c) (2016)
Criteria	UL 10(b) (R2015)
Criteria	NFPA 252 (2017)
CSI Code	08 11 00 Metal Doors and Frames
Fire Resistance	20 Min PP Category C Standard Frames
Fire Resistance	45 Min PP Category C Standard Frame
Fire Resistance	3 Hour PP Category C Standard Frame
Fire Resistance	90 Min PP Category C Standard Frame
Fire Resistance	60 Min PP Category C Standard Frame
Fire Resistance	2 Hour Positive Pressure
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	CATEGORY C - STANDARD FRAMES
Spec ID	58865
Swing	Single Swing
Swing	Standard Pairs
Swing	Transom



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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.

## Certificate of Compliance

You have been awarded:

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

Standards: BS 476 Part 22 (1987)

Certificate number: WHI21-35616902

**Organization:** National Company for Medical Furniture & Metal Industries (NCM)

P. O. Box 464, Road No. 316, 3rd Industrial Area  
Riyadh 11383  
Kingdom of Saudi Arabia

**Product:** NCM - Latched Steel Door And Frame Assembly With Mineral Wool Infill - 180 Minutes - BS 476 Part 22

*Spec ID:* 65070

*Fire Rating:* 2 Hour Fire Rated, 1 Hour Fire Rating, 1-1/2 Hour Fire Rating, 3 Hour Fire Rated

*Listing Information:* See following page(s)

**Certification body:** Intertek Testing Services NA, Inc.

**Initial registration:** November 15, 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](http://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

NCM - Latched Steel Door And Frame Assembly With Mineral Wool Infill - 180 Minutes - BS 476 Part 22

### Product Description

Door Frame is constructed with 1.5mm thick galvanized steel sheet with 150mm jamb depth.

Door Leaf is constructed with 1.2mm thick galvanized steel sheet and is infilled with Mineral wool (Rockwool), density - up to 120kg/m<sup>3</sup> (Single leaf door), up to 100kg/m<sup>3</sup> (Double leaf door).

### Tested Sizes:

#### Single Leaf Door Assembly:

Frame: 1140 x 2995 x 150mm (width x height x jamb depth)

Leaf: 1036mm x 2936mm x 45mm (width x height x thk.)

#### Double Leaf Door Assembly:

Frame: 2190 x 2995 x 150mm (width x height x jamb depth)

Leaf: 1041 x 2936 x 45mm (w x h x thk.)

### Limitations:

Minimum latch throw - 12.5mm, Standard 3 point latching for double doors - center latching on active leaf and top/bottom latching on inactive leaf.

Built-in astragal must be provided on the active leaf of double door assemblies.

Steel Louver: 635mm x 635mm x 45mm (width x height x thk.), may be installed below 500mm door height.

Vision panel dimension: 530mm x 530mm x 5mm (w x h x thk.) | Visible size: 500 x 500mm (w x h), Glass – Keralite or alternate listed ceramic glazing.

Vision panel and louver cut out must include welded 1.2mm steel C-channels along the perimeter.

Supporting Construction: Masonry wall. Frame must be installed with cement grouting.

### Fire Ratings:

Latched steel door and frame assemblies have qualified for the following ratings according to BS 476 Part 22 (1987) standard:

Details	Criterion	Rating
Single Leaf Door Assembly	Integrity	120 Minutes
Double Leaf Door Assembly	Integrity	180 Minutes

### Maximum Allowed Sizes:

Details		Rating (Minutes)	Width (mm)	Height (mm)	Area (sq. m)
Single Leaf Door Assembly	Frame	60, 90 & 120	1368mm at 3120mm height	3594mm at 1187mm width	4.27 sq. m
	Leaf	60, 90 & 120	1243mm at 3058mm	3523mm at 1079mm	3.8 sq. m



			height	width	
Double Leaf Door Assembly	Frame	180	2518mm at 3125mm height	3444mm at 2285mm width	7.87 sq. m
	Leaf	180	1197mm at 3064mm height	3376mm at 1086mm width	3.7 sq. m
	Frame	60, 90 & 120	2737mm at 3115mm height	3744mm at 2277mm width	8.53 sq. m
	Leaf	60, 90 & 120	1301mm at 3053mm height	3670mm at 1083mm width	3.97 sq. m



LISTING INFORMATION OF

## NCM - Latched Steel Door And Frame Assembly With Mineral Wool Infill - 180 Minutes - BS 476 Part 22

SPEC ID: 65070

National Company for Medical Furniture & Metal Industries (NCM)  
P. O. Box 464, Road No. 316, 3rd Industrial Area  
Riyadh 11383  
Kingdom of Saudi Arabia

This report is for the exclusive use of Intertek's Client and is provided pursuant to the 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 report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



## LISTING INFORMATION

### Product Covered

NCM - Latched Steel Door And Frame Assembly With Mineral Wool Infill - 180 Minutes - BS 476 Part 22

### Product Description

Door Frame is constructed with 1.5mm thick galvanized steel sheet with 150mm jamb depth.

Door Leaf is constructed with 1.2mm thick galvanized steel sheet and is infilled with Mineral wool (Rockwool), density - up to 120kg/m<sup>3</sup> (Single leaf door), up to 100kg/m<sup>3</sup> (Double leaf door).

#### Tested Sizes:

Single Leaf Door Assembly:

Frame: 1140 x 2995 x 150mm (width x height x jamb depth)

Leaf: 1036mm x 2936mm x 45mm (width x height x thk.)

Double Leaf Door Assembly:

Frame: 2190 x 2995 x 150mm (width x height x jamb depth)

Leaf: 1041 x 2936 x 45mm (w x h x thk.)

#### Limitations:

Minimum latch throw - 12.5mm, Standard 3 point latching for double doors - center latching on active leaf and top/bottom latching on inactive leaf.

Built-in astragal must be provided on the active leaf of double door assemblies.

Steel Louver: 635mm x 635mm x 45mm (width x height x thk.), may be installed below 500mm door height.

Vision panel dimension: 530mm x 530mm x 5mm (w x h x thk.) | Visible size: 500 x 500mm (w x h), Glass – Keralite or alternate listed ceramic glazing.

Vision panel and louver cut out must include welded 1.2mm steel C-channels along the perimeter.

Supporting Construction: Masonry wall. Frame must be installed with cement grouting.

### Fire Ratings:

Latched steel door and frame assemblies have qualified for the following ratings according to BS 476 Part 22 (1987) standard:

Details	Criterion	Rating
Single Leaf Door Assembly	Integrity	120 Minutes
Double Leaf Door Assembly	Integrity	180 Minutes

#### Maximum Allowed Sizes:

Details		Rating (Minutes)	Width (mm)	Height (mm)	Area (sq. m)
Single Leaf Door Assembly	Frame	60, 90 & 120	1368mm at 3120mm height	3594mm at 1187mm width	4.27 sq. m
	Leaf	60, 90 & 120	1243mm at 3058mm	3523mm at 1079mm	3.8 sq. m



			height	width	
Double Leaf Door Assembly	Frame	180	2518mm at 3125mm height	3444mm at 2285mm width	7.87 sq. m
	Leaf	180	1197mm at 3064mm height	3376mm at 1086mm width	3.7 sq. m
	Frame	60, 90 & 120	2737mm at 3115mm height	3744mm at 2277mm width	8.53 sq. m
	Leaf	60, 90 & 120	1301mm at 3053mm height	3670mm at 1083mm width	3.97 sq. m

Attribute	Value
Certificate Date of Expiry	December 31, 2022
Certificate Date of Initial Registration	November 15, 2021
Certificate Number	WHI21-35616902
Criteria	BS 476 Part 22 (1987)
CSI Code	08 10 00 Doors and Frames
Fire Resistance	2 Hour Fire Rated
Fire Resistance	1 Hour Fire Rating
Fire Resistance	1-1/2 Hour Fire Rating
Fire Resistance	3 Hour Fire Rated
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	CATEGORY D - DOOR/FRAME ASSEMBLIES
Spec ID	65070



الشركة الوطنية لصناعة الأثاث الطبي والمعدني  
National Company For Medical Furniture & Metal Industries



## CERTIFICATE OF REGISTRATION

INTERCERT hereby certifies that Quality Management System of

### **National Company for Medical Furniture and Metal Industries (NCM)**

Road No. 316, 3rd Industrial Area, P. O. Box 464, Riyadh 11383,  
Kingdom of Saudi Arabia

Has been successfully assessed as per the requirements of

### **ISO 9001:2015**

For the scope of

**Designing, Manufacturing, Installation and Maintenance of Medical, Laboratory Furniture and Metal Industrial Products**

Initial Certification Date : 18-12-2018  
Certificate Issue Date : 18-12-2018  
Surveillance Validity Date : 17-12-2019  
Recertification Date : 17-12-2021

**Registration Number: IC-QM-1812074**

**IAS UCIN : MSCB-121-266-4**

Issued on behalf of InterCert  
Head - Certifications



ISO 9001  
**INTERCERT ACCREDITED**  
Management Systems  
Certification Body  
MSCB-121

The validity of this certificate can be verified at [www.intercert.com](http://www.intercert.com) or through email at [info@intercert.com](mailto:info@intercert.com). This certificate is the property of INTERCERT and must be returned on request. Accreditation details are available with IAS, (International Accreditation Services) Inc. USA at [www.iasonline.org](http://www.iasonline.org)





**BUREAU VERITAS**  
Certification



**AL-AALAMI FACTORY CO. FOR FURNITURE &  
WOODEN INDUSTRIES**

EXIT 15- SECOND INDUSTRIAL AREA, STREET NO. 182  
P.O. BOX 7926, RIYADH 11472, KINGDOM OF SAUDI ARABIA

*Bureau Veritas Certification Holding SAS – UK Branch certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below*

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**ISO 9001:2015**

*Scope of certification*

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**SALES AND MANUFACTURING OF WOODEN FURNITURE FOR  
RESIDENTIAL AND COMMERCIAL INDUSTRIES**

Original cycle start date: **11 MARCH 2018**  
Certification Audit date: **26 DECEMBER 2017**  
Certification cycle start date: **11 MARCH 2018**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **10 MARCH 2021**

Certificate No. **IND.18.9060 U/Q** Version : **1** Revision date: **11 MARCH 2018**

Signed on behalf of BVCH SAS UK Branch



0008

Certification body address: 5<sup>th</sup> Floor, 66 Prescott Street, London E1 8HG, United Kingdom  
Local office: Al Raja Tower, 6<sup>th</sup> Floor, King Abdulaziz Road, P.O. Box 20189, Al-Khobar 31952, Kingdom of Saudi Arabia.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.  
To check this certificate validity, please call: +966 13 882 1071





## CERTIFICATE OF REGISTRATION

INTERCERT hereby certifies that Occupational Health & Safety Management System of

### AL AALAMI FACTORY CO FURNITURE & WOODEN INDUSTRIES

EXIT 15, IInd INDUSTRIAL AREA, STREET NO. 182, P. O. BOX 7926,  
RIYADH -11472, KINGDOM OF SAUDI ARABIA

Has been successfully assessed as per the requirements of

### OHSAS 18001:2007

For the scope of

**SALES AND MANUFACTURING OF WOODEN FURNITURE FOR RESIDENTIAL AND COMMERCIAL INDUSTRIES.**

Initial Certification Date : 01-07-2019  
Certificate Issue Date : 01-07-2019  
Surveillance Validity Date : 30-06-2020  
Recertification Date : 11-03-2021

Registration Number: IC-OH-1907004

Issued on behalf of InterCert  
Head - Certifications





# 2021 Membership

## Al'Aalami Factory for Furniture and Wooden Industries

IS A MEMBER IN GOOD STANDING IN THE ARCHITECTURAL WOODWORK INSTITUTE.  
ALL AWI MEMBERS SHALL AGREE TO HONOR AND ABIDE BY THE CURRENT PLEDGE OF ETHICS.

### AWI PLEDGE OF ETHICS

- WE BELIEVE IN THE ARCHITECTURAL WOODWORK INDUSTRY AND THE ARCHITECTURAL WOODWORK INSTITUTE.
- WE AGREE TO ABIDE BY THE ARCHITECTURAL WOODWORK INSTITUTE BYLAWS AND THE AWI STANDARDS AND GUIDE SPECIFICATIONS.
- WE WILL CONDUCT OURSELVES TO REFLECT CREDIT ON THE INDUSTRY, OUR INSTITUTE, AND OUR MEMBERS.

Membership Type: Manufacturer  
Member Since: December 1, 2017  
Membership Through: December 31, 2021

A blue ink signature of Sebastian DesMarais.

Sebastian DesMarais  
2021 AWI President

A blue ink signature of Doug Hague.

Doug Hague  
Executive Vice President





## AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report(s). This authorization also applies to the Multiple Listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The Certification Mark(s) may be applied only at the location of the Party Authorized to Apply Mark.

**Applicant:** Halspan Limited  
Muirhouses  
Bo'ness, Edinburgh, EH51 9SS

**Country:** UNITED KINGDOM

**Contact:** Sue Webberley

**Phone:** 01279 815285

**Fax:** 01279 812975

**Email:** sue@halspan.com

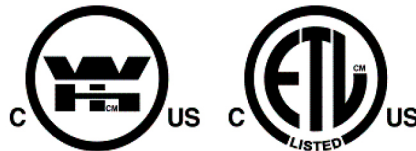
**Party Authorized to Apply Mark:** See following page(s)

**Evaluation Center:** Intertek (Middleton)

**Control/Client Number:** 231371

Authorized By:   
Dean Davidson, 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



**Intertek Intertek**

This document supersedes all previous Authorizations to Mark for the noted Report Number.

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<b>Testing Standard(s):</b>	UL 10(b) Revision 1 (2009), CAN / ULC S104 (2010), NFPA 252 (2012), CAN / ULC S104 (2015), UL 10(b) (R2015),
<b>Product:</b>	Halspan 45-90 Minute Flush Fire Doors NP

**ATM for Report:** 3186280MID-003, 3181954

**ATM Issue Date:** 08/31/2017



## AUTHORIZATION TO MARK

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<b>Testing Standard(s):</b>	UL 10(c) (1998), UBC 7-2 (1997), UBC 7-2 (1994), UL 10(b) (1997), UL 10(b) Revision 1 (2009), UL 10(c) (2009),
<b>Product:</b>	Halspan 45-90 Min Firestop Door Frame

**ATM for Report:** March 1999

**ATM Issue Date:** 05/24/2017



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<b>Testing Standard(s):</b>	CAN4 S104 (1985), NFPA 252 (2008), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012), NFPA 80 (2013),
<b>Product:</b>	Halspan 60-90 Min Flush Fire Doors PP

**ATM for Report:** WHI-495-1607, J20017954-231, 3128474-001,  
3128474MID-007, 3186280MID-003, 3181954, 102157480MID-001

**ATM Issue Date:** 01/23/2017



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<b>Testing Standard(s):</b>	CAN4 S104 (1985), NFPA 252 (2008), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012),
<b>Product:</b>	Halspan 45-60 Min Flush Acoustical Fire Door PP/NP

**ATM for Report:** 100212910MID-007, 102157480MID-001

**ATM Issue Date:** 05/24/2017



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<b>Testing Standard(s):</b>	NFPA 252 (1995), UL 10(c) (1998), UBC 7-2 (1997), CAN4 S104 (1985), NFPA 252 (2008), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012),
<b>Product:</b>	Halspan 45 Min Flush Fire Doors PP/NP

**ATM for Report:** J20017954-231, 3128474, 3151252, 3151253, 3181954, 102157480MID-001

**ATM Issue Date:** 05/24/2017





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<b>Testing Standard(s):</b>	NFPA 252 (1995), UL 10(c) (1998), UBC 7-2 (1997), CAN4 S104 (1985), NFPA 252 (2008), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012),
<b>Product:</b>	Halspan Universal Core 45 Min Flush Fire Doors PP/NP

**ATM for Report:** J20017954-231, 3128474, 3151252, 3151253,  
3181954, 102157480MID-001, 101226067MID-011, 102266917MID-004,  
102266917MID-017

**ATM Issue Date:** 05/24/2017



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<b>Testing Standard(s):</b>	NFPA 252 (2008), UL 10(c) (2001), UL 10(c) (2009), NFPA 252 (2012),
<b>Product:</b>	Halspan 20-30 Minute Optima Fire Door Core

**ATM for Report:** 3149841MID-005b, 3149841MID-005c

**ATM Issue Date:** 03/05/2014



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<b>Testing Standard(s):</b>	CAN4 S104 (1985), NFPA 252 (2008), UL 10(c) (2001), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012),
<b>Product:</b>	Halspan 20 Min Category A Positive Pressure Fire Door – Single

**ATM for Report:** 3149841MID-005b, 102109255MID-001

**ATM Issue Date:** 05/24/2017



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<b>Testing Standard(s):</b>	CAN4 S104 (1985), NFPA 252 (2008), UL 10(c) (2001), UL 10(c) (2009), CAN / ULC S104 (2010), NFPA 252 (2012),
<b>Product:</b>	Halspan 20 Min Category B Positive Pressure Fire Door – Single & Pair

**ATM for Report:** 3149841MID-005b, 102109255MID-001

**ATM Issue Date:** 05/24/2017



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<b>Testing Standard(s):</b>	UL 10(c) (2009)
<b>Product:</b>	Halspan Optima 20 Minute without Hose Stream Wood Fire Door Assemblies

**ATM for Report:** Report A01204 Revision D

**ATM Issue Date:** 05/21/2014



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<b>Testing Standard(s):</b>	UL 10(c) (2009)
<b>Product:</b>	Halspan Prima / Prima Plus 20 Minute without Hose Stream Wood Fire Door Assemblies

**ATM for Report:** Report FEA/F97174 Revision G

**ATM Issue Date:** 05/21/2014



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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 120 Enhanced Fire Rated Wood Door Assembly

**ATM for Report:** BMT/CNA/F15082 Revision A, BMT/FEP/F15069A,  
BMT/FEP/F15069B, 102223725MID-001

**ATM Issue Date:** 10/19/2015



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Phone: 847-439-5667 Fax: 847-439-7320



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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 120 Prima Plus

**ATM for Report:** G103291347

**ATM Issue Date:** 01/15/2018





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**Party Authorized to Apply Mark:** See following page(s)

**Evaluation Center:** Intertek (Middleton)

**Control/Client Number:** 231371

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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 120 Fire Rated Wood Door Assembly

**ATM for Report:** Report A06087 Revision B

**ATM Issue Date:** 09/13/2015



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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 90 Fire Rated Wood Door Assembly

**ATM for Report:** Report A05151 Revision D

**ATM Issue Date:** 05/21/2014



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# AUTHORIZATION TO MARK

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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan (BS 476 Part-22) 90 Minute Universal Core Doors

**ATM for Report:** 103052697MID-004

**ATM Issue Date:** 08/31/2017



## AUTHORIZATION TO MARK

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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 90 Prima Plus

**ATM for Report:** G103291347

**ATM Issue Date:** 01/15/2018



## AUTHORIZATION TO MARK

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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 60 Minute Fire Rated Prima Plus Enhanced Door and Frame Assembly

**ATM for Report:** 101761307MID-004b, 101022858MID-004,  
101022858MID-010, 101761322MID-004, 101761322MID-012b,  
102637355MID-004a, 103057254MID-001

**ATM Issue Date:** 05/26/2017



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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 60 Optima Fire Rated Wood Door Assembly

**ATM for Report:** Report A01205 Revision D

**ATM Issue Date:** 06/03/2014



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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 60 Prima and Halspan 60 Prima Plus Fire Rated Door Assembly

**ATM for Report:** Report FEA/F96103 Revision L

**ATM Issue Date:** 06/03/2014



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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 45 Mineral Core Fire Rated Door Assembly (90 Minute)

**ATM for Report:** Report A11116, 102007199MID-004b

**ATM Issue Date:** 02/24/2017





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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 45 Mineral Core Fire Rated Door Assembly (120 Minute)

**ATM for Report:** Report A11116

**ATM Issue Date:** 05/21/2014



# AUTHORIZATION TO MARK

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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 30 Optima Fire Rated Door Assembly

**ATM for Report:** Report A01204 Revision D

**ATM Issue Date:** 05/21/2014



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<b>Testing Standard(s):</b>	BS 476 Part 22 (1987)
<b>Product:</b>	Halspan 30 Prima and Halspan 30 Prima Plus Fire Rated Door Assembly

**ATM for Report:** Report FEA/F97174 Revision G

**ATM Issue Date:** 06/25/2014



# Certificate of Compliance



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: WH17-31136119

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:** Al-Aalami Factory for Furniture & Wooden Industries  
P.O. Box 7926  
Rd# 182, Industrial Area 2  
Riyadh 11472  
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:** December 01, 2017  
**Date of expiry:** December 31, 2021  
**Issue status:** 5

Authorized By:   
**Jean-Philippe Kayl, Director of Certification**

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[www.intertek.com](http://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.



## 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**


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: WHI17-31136115

**Organization:** Al-Aalami Factory for Furniture & Wooden Industries  
P.O. Box 7926  
Rd# 182, Industrial Area 2  
Riyadh 11472  
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:** December 01, 2017  
**Date of expiry:** December 31, 2021  
**Issue status:** 5

**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](http://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.



# SUPPLIERS CERTIFICATES NCM & AFF



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National Company For Medical Furniture & Metal Industries



CHABROS  
INTERNATIONAL GROUP





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الشركة الوطنية لصناعة الأثاث الطبي والمعدني  
National Company For Medical Furniture & Metal Industries



Smijo B. Thomas  
Senior Sales Executive - Door Hardware



شركة تجار مواد البناء العالمية المحدودة  
UNIVERSAL BUILDING MATERIALS MERCHANTS CO. LTD.  
Mobile +966 503 189 064 P.O. Box 9313, Riyadh 11413  
Phone +966 11 460 7553 Kingdom of Saudi Arabia  
Fax +966 11 460 8231 www.ubmksa.com



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**MAGIS**

**AL GHURAIR IRON & STEEL I**

P.O. BOX 106065, ABU DHABI, UAE. PHONE +971-2-6593400. FAX NO +971-2-5500949

**MILL TEST CERTIFICATE**

ETK 944  
inv 2079

WORKS: PLOT NO (11,12), ER6, 13F2  
P O BOX - 106065  
ICAD, MUSSAFAH, ABU DHABI.  
TEL: +971-2-6593400  
FAX: +971-2-5500949  
E mail: info@agisae

Date: 05.11.2020

Customer Name: ASH'AD STEEL COMPANY  
Sales Contract No: SC/000944-2020  
Product: Hot Dipped Galvanized Steel Coils  
Specification & Grade: SASO ASTM A653/A653M-A1-151-C5 TYPE A  
Destination: KSA- RIYADH  
Treatment: Chromated (6)& Uncoiled  
Sample Type: Regular  
Slab Passed: No  
Certificate No: AGIS/QA/20/04420  
L.C. No: -  
Customer PO No: -  
DP No: DP014251

Sr. No.	Coil No.	Bundle No.	Heat No.	Dimensions			Qty. (MT)	% Chemical Composition											Mechanical Properties					Coating (GSM)
				Thickness (MM)	Width (MM)	Length (Meter)		C	Mn	S	P	SI	Al	N	Cu	Ni	Cr	Mo	B	Ti	Nb	V	YS (MPa)	

Coating Grade - Z275																														
1	GL12031067	-	B443238	1.509	1219	Coil	5.310	0.018	0.250	0.010	0.017	0.016	0.058	0.012	0.006	0.008	0.016	0.001	-	0.001	0.001	0.001	0.001	280	355	29.85	-	56	OK	7%
2	GL12031068	-	B443238	1.509	1219	Coil	5.430	0.019	0.250	0.010	0.017	0.016	0.058	0.002	0.006	0.005	0.016	0.001	-	0.001	0.001	0.001	0.001	280	355	29.85	-	56	OK	7%
3	GL12031069	-	B443238	1.509	1219	Coil	5.395	0.019	0.250	0.010	0.017	0.016	0.058	0.002	0.006	0.008	0.016	0.001	-	0.001	0.001	0.001	0.001	280	355	29.85	-	50	OK	7%
4	GL12031060	-	B443238	1.509	1219	Coil	5.345	0.019	0.250	0.010	0.017	0.016	0.058	0.002	0.006	0.008	0.016	0.001	-	0.001	0.001	0.001	0.001	280	355	29.85	-	56	OK	7%
5	GL12060961	-	B446524	1.509	1219	Coil	5.360	0.016	0.250	0.010	0.014	0.016	0.049	0.003	0.006	0.009	0.013	0.001	-	0.001	0.001	0.001	0.001	281	358	31.20	-	56	OK	3.15
6	GL12060962	-	B446524	1.509	1219	Coil	5.370	0.016	0.250	0.010	0.014	0.016	0.049	0.003	0.006	0.009	0.013	0.001	-	0.001	0.001	0.001	0.001	281	358	31.20	-	56	OK	3.15
7	GL12060963	-	B446524	1.509	1219	Coil	5.355	0.016	0.250	0.010	0.014	0.016	0.049	0.003	0.006	0.009	0.013	0.001	-	0.001	0.001	0.001	0.001	281	358	31.20	-	56	OK	3.15
8	GL12060919	-	A446508	1.509	1219	Coil	5.560	0.017	0.250	0.010	0.010	0.010	0.050	0.003	0.006	0.007	0.015	0.002	-	0.001	0.001	0.001	0.001	280	355	31.25	-	54	OK	2%
9	GL12060926	-	A446508	1.509	1219	Coil	5.305	0.017	0.250	0.010	0.010	0.010	0.050	0.003	0.006	0.007	0.015	0.002	-	0.001	0.001	0.001	0.001	280	355	31.25	-	54	OK	2%
No. of Lots - 10						Sub Total	53.500																							
Total No. of Lots - 10						Total	53.500																							

Note: 1) Unless otherwise stated, elongation values are for gauge length 50 mm.  
2) This mill test certificate conforms to EN 10204, type 3.1. 3) The above materials conform to LFQ grade.

Remarks: We hereby certify that the material described herein has been made and tested with satisfactory results in accordance with the provisions of the contract.

Released by: ALAY

For Al Ghurair Iron & Steel L.L.C.  
K. Prosser  
Authorized Signatory



## Technical Data Sheet



# Jotun Facade 1301, 1303, 1307, 1308

## PRODUCT DESCRIPTION

This lead-free TGIC powder coating is specifically designed to meet stringent requirements of the construction industry. It provides longevity to the projects and building components by ensuring gloss retention, colour stability and corrosion protection. This powder enables efficient application and provides uniform flow and attractive finish even after recycling.

Jotun Facade 1301, 1303, 1307, 1308 are formerly know as Corro-Coat PE-F 1301, 1303, 1307, 1308.

## Application areas

Primary areas of application are architectural aluminium extrusions and claddings. The overall excellent properties and attractive appearance of this product make it suitable for application to other ferrous and non-ferrous substrates.

When screen printing or sealants are used, it is advised to run separate trials to ensure compatibility and to meet the required performance criteria.

## POWDER PROPERTIES

### Storage

Keep in a dry cool area. Maximum temperature 25 °C. Maximum relative humidity 60 %. Under these mentioned conditions, product shelf life is 12 months from date of manufacture.

## APPLICATION

### Pretreatment

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the pretreatment. For optimal results, it is recommended to follow the pretreatment supplier's instructions and recommendations.

The recommended types of pretreatment for the most frequently used substrates are:

Substrate	Pretreatment
Aluminium	Chromate conversion
Steel	Zinc phosphate
Zinc coated steel	Zinc phosphate or chromate conversion
Final rinse (deionized)	The last running water from the object should be tested at 20 °C. The readings obtained should measure below 30 µS/cm.

Suitable chrome-free pretreatment for aluminium is also recommended. Due to the variety of chrome-free pretreatments available today, only the approved systems from Qualicoat and GSB should be used. Detailed advice should be sought from the pretreatment supplier.



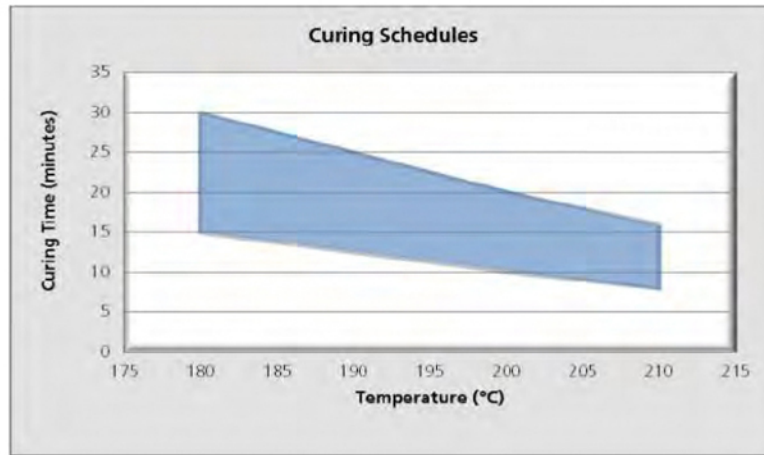
## Technical Data Sheet

### Jotun Facade 1301, 1303, 1307, 1308



Jotun Protects Property

#### Curing



#### Equipment

Suitable for Corona or Tribo charging equipment.

#### APPEARANCE

##### Colour

Available in RAL, NCS and in a wide assortment of custom-made colours, this coating provides a variety of effects, including metallic. Also available in the Cool Shades Collection - a selection of colours with heat-reflective properties.

##### Gloss

EN ISO 2813 (60°)	
Series 1301	12 ± 5
Series 1303	30 ± 5
Series 1307	77 ± 7
Series 1308	90 ± 10

If the significant surface is too small or unsuitable for the gloss to be measured with the glossmeter, the gloss should be compared visually with the reference sample (from the same viewing angle).

Gloss measurements of metallic effect coatings can show deviation from original levels specified in this document and visual comparison with the reference sample is recommended.

**Gloss range used in TDS and on the label of the metallic effect coatings represents gloss of the base and not of the final finish.**

#### PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate	Chromated aluminium panels
Substrate thickness (mm)	0.8
Film thickness (µm)	60-90
Typical values when tested.	

Property	Standard	Result
Adhesion	EN ISO 2409 (2 mm)	Cross-cut rating Gt0 (100 % adhesion)
Impact resistance	EN ISO 6272 /ASTM D2794 (impactor diameter 15.9 mm)	More than 23 inch-pounds or 2.5 Nm without film cracking



## Technical Data Sheet

### Jotun Facade 1301, 1303, 1307, 1308



<b>Cupping test</b>	EN ISO 1520	Indentation depth in excess of 5 mm without film cracking
<b>Flexibility</b>	EN ISO 1519	Cylindrical Mandrel bending test, passes 5 mm Mandrel diameter
<b>Film hardness</b>	EN ISO 2815	Indentation resistance according to Buchholz: > 80
<b>Mortar resistance</b>	EN 12206-1	The mortar must be easy to remove without leaving any residues.
<b>Drilling, milling and sawing test</b>		No flaking of coating.
<b>Humidity resistance containing SO<sub>2</sub>.</b>	EN ISO 3231 (0.2 I SO <sub>2</sub> )	No infiltration exceeding 1 mm on both sides of the scratch after 30 cycles.
<b>Humidity resistance</b>	EN ISO 6270-2	No infiltration exceeding 1 mm on both sides of the scratch after 1000 hours
<b>Acetic acid salt spray resistance</b>	ISO 9227	After 1000 hours testing – maximum 16 mm <sup>2</sup> infiltration over a scratch length of 10 cm.
<b>Accelerated weathering</b>	DIN EN ISO 11507 (UVB - 313)	Cycle: 4 hours at 50 °C UV and 4 hours at 40 °C condensation. No chalking, excellent gloss retention and colour stability after 300 hours testing.
<b>Natural weathering test</b>	ISO 2810 (South Florida, 27 °N)	No chalking, excellent gloss retention and colour stability after 12 months exposure (angle of 5° to South).
<b>Surface spread of flame</b>	BS 476 Part 7 – 1997	Class 1
<b>Fire propagation test</b>	BS 476 Part 6 – 1989	Excellent index of performance (I=1)
<b>Total Solar Reflectance*</b>	ASTM C 1549	Grades 1303R, 1307R and 1308R: TSR ≥ 0.25

\* Only applicable for the colours featured in 'The Cool Shades Collection'.

### Approvals

This product is certified according to Qualicoat Class 1 and has weathering performance in line with AAMA 2603.

Qualicoat:

Facade 1301 - P-0546 (TH), P-1199 (TR)

Facade 1303 - P-1559 (TR)

Facade 1307 - P-1560 (TR)

Facade 1308 - P-1560 (TR)



### Product guarantee

This product is backed by a 10-year product guarantee system when used on an architectural aluminium substrate, subject to terms and conditions.

### Disclaimer



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National Company For Medical Furniture & Metal Industries



## Technical Data Sheet

### Jotun Facade 1301, 1303, 1307, 1308



The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.



German metal Surface treatment Chemicals Co.

## Technical Service Data Sheet



# Duraphos 507

### Description

**Duraphos 507** is a synthesized liquid blend of inorganic phosphate, fluorinated compounds, and special surfactant suitable to use at a low temperature and concentration for spray processes.

### Features

- **Duraphos 507** develops fine, smooth, and uniform bluish Color amorphous on steel surface for durable bonding with final finish.
- **Duraphos 507** operates at low temperature, concentration and gives long life to final finish on metal surfaces.

### Application

- **Duraphos 507** is used for heavy oily steel to improve cleaning specially with oily steel.
- **Duraphos 507** can treat substrates like iron, steel, zinc and aluminum.
- **Duraphos 507** cleans, degreases & iron phosphate the substrates.

### Physical & chemical Properties

Appearance	Liquid.
Color	Colorless clear.
PH (1%) at 25 °C	2.9 ± 0.2
Sp gr at 25 °C	1.25 ± 0.05
Total Acid Points (1%)	5.5 ± 0.3
Miscibility in water	Miscible

### Equipments

All required process tanks could be fabricated from stainless steel. In spray system pump's impeller & spray nozzles must be of PP, PVC, or Stainless Steel, use of any titanium or titanium alloys parts to be avoided.

### Operating Parameters

Concentration (v/v %)	1.0 to 1.5
Pointage (TAP)	5 to 8
Temperature (°C)	45 to 50
Time (min)	1 to 3
Nozzle pressure (Bar)	1.0 to 1.5
PH	3.0 to 5.0

### Process sequence

- Degreasing & Phosphating with **Duraphos 507**.
- Rinse with fresh water
- Passivation
- Drying

### Initial Preparation

- Add 10 to 15 liter of **Duraphos 507** per 1000 liters of operating volume.

### Precautions

Following precautions will help to maintain a clean operating bath.

- Skim the oil from the surface of **Duraphos 507** tank at least twice in a shift.
- Clean the tank at least once in two months to remove all the deposited silt and dust in the bottom.
- PH of the rinsing tanks should be kept between 6.5 to 8.5 for better cleaning and to keep work piece free from yellow patches.
- In spray system nozzles should be cleaned time to time.



German metal Surface treatment Chemicals Co.

## Technical Service Data Sheet



### Reagents & Equipments

- 0.1 N Sodium Hydroxide Solutions.
- Phenolphthalein Indicator Solution.
- 250 ml Conical Flask.
- 50 ml Burette
- 10 ml pipette

### Analysis "Total Acid Points"

- Take 10 ml of working Solution in a conical flask.
- Add few drops of Phenolphthalein indicator
- Titrate against 0.1N Sodium Hydroxide Solution.
- End point colorless to pink.
- Mls of sodium hydroxide used will give total acid point.
- TAP should be minimum 4.5 point.

### Replenishment

- Add 2.0 liter of **Duraphos 507** per 1000 liters of working solution to increase the Total acidity by one point.

### Storage Information

#### Storage & Handling

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not expose to direct sun. Stable nonflammable product. Avoid store near alkaline, alcoholic, reducing materials. Store in temperature not above 40°C.

#### Shelf Life

Two years from date of production if stored in normal condition

#### Packaging Type

HDPE containers, outer sealed with ventilated cap.

#### Standard Packing

**Duraphos 507** is available in 31 kg cans.

Note: This information is based on our current level of knowledge is given in good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.  
Revised on 31/Dec.2017 (ASRN).





## DATA SHEET

<b>Material</b>	Saudi Rockwool Panels
<b>NO</b>	SRW. P 42 D 100 NONE

The product is made out of molten basalt rocks spun to fine fibers and bonded with thermosetting Binder to form rigid Rockwool slabs.

The Material has good thermal, fire resistant, and acoustical properties it complies with the requirements of ASTM C612 with the following specifications:

### Description

Thickness (mm)	Density (kg/m <sup>3</sup> )	Facing	ASTM Classification
42	100	None	Type IVA
Density	100 (kg/m <sup>3</sup> )		ASTM C303
Thermal conductivity (at 24 °C)	0.034 (W/mK)		ASTM C177
Thermal Resistance (R) Value	1.23 m <sup>2</sup> .K/W		ASTM C518
Max. use temperature	750 (°C)		ASTM C411
Rigidity	Rigid		ASTM C1101
Color	Yellowish		Visual
Compressive Resistance at 10 % deformation (kpa)	15		ASTMC165
Shot content	<25 % (weight %)		ASTM C612
Corrosiveness	Noncorrosive		ASTM C871 ASTM C795
Water vapor sorption	<1 (Weight %)		ASTM C1104
Water Vapor resistance (m <sup>2</sup> hpa/mg)	μ ≤3		ASTM E96
PH	7-9		BS 2972 SEC 22
Flame spread index	0		UL723/ASTM E84
Smoke developed	0		UL723/ASTM E84
Combustibility	Noncombustible		EN ISO 1182-2010
Reaction to fire Classification	A1		EN ISO 13501-1-2007
Fungi Resistance	Does not encourage Fungi Growth		ASTM C665
Noise reduction coefficient (NRC)	0.95		ASTM C423

## Flammi 12

Material of building material classification E (non flammable) according to DIN EN 13501-1

### Product Description

Flammi 12 is an impregnating glazing block whose basic material is based on inorganic oxides; it does not contain any artificial mineral fibres. The material has very good mechanical properties.



### Application Areas

- Fire protection doors from wood, steel or aluminium
- Fire protection glazing
- Applications in construction of chimneys, stoves and ovens
- As heat shield

### Technical Data

Composition:	Construction material on the basis of inorganic oxides
Material structure:	Hard material
Raw density [kg/m <sup>3</sup> ]:	875 to 1020
Temperature resistance [°C]:	1100
Impregnation [g/m <sup>2</sup> ]:	40 to 80

### Supplied Forms

Length:	80 mm
Widths:	8 mm, 10 mm, 12 mm, 14 mm, 18 mm, 20 mm, 22 mm, 24 mm, 26 mm, 29 mm, 40 mm
Thicknesses:	3 mm, 4 mm, 5 mm

*Special formats are available on request. The product is manufactured on the basis of the general tolerance DIN ISO 2768-1.*

*Please observe our information for processing and the safety data sheet!*

*If you want to use this product outdoors please contact our application technology service.*

### Note

The information in this brochure is based on our knowledge and experience to date. This information does not release the user from carrying out independent tests and trials due to the various influences when processing and applying our product. It is not possible to derive a guarantee of certain properties or suitability of the product in a concrete application case based on our information. All the descriptions, drawings, photographs, data, conditions, weights etc. included may change without previous announcement; they do not constitute the contractually agreed property of the product. The recipient of our product is responsible to observe any trade mark rights and existing laws and regulations. Adhesive bonds are to be applied according to DIN 2304.

## Kerafix® 2000

Material of building material classification B2 (normal flammability) according to DIN 4102-1  
Classification E (normal flammability) according to DIN EN 13501-1

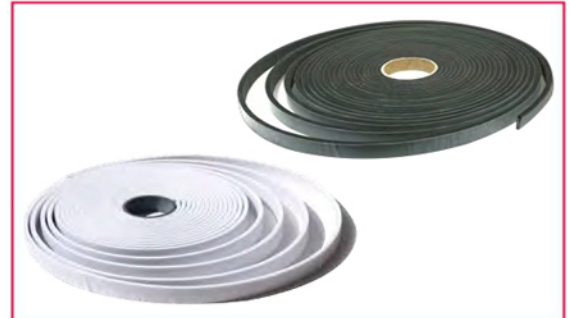
General test certificate P-3074/3439-MPA BS

### Product Description

Kerafix® 2000 is based on a chemical mix of calcium magnesium silicate; it ensures excellent thermal and physical stability up to 1200 °C. Special features: Kerafix® 2000 is a bio-soluble high temperature glazing tape.

### Application Areas

- Fire protection glazing as heat insulation
- Sealing material for industrial and domestic appliances
- Additional insulation for aluminium holding furnaces
- Expansion joints



### Technical Data

Composition:	Insulating construction material on the basis of a chemical mix of calcium-magnesium-silicate
Material structure:	Light, flexible and compressible roll material
Raw density [kg/m³]:	200 to 300
Temperature resistance [°C]:	1200
Melting point [°C]:	Above 1330
Tensile strength [N/mm²]:	From ca. 0,35
Thermal conductivity [W/mK]:	0,10 (at 400 °C)

### Supplied Forms

Kerafix® 2000 classic / premium:	Widths:	8 mm to 1000 mm
Kerafix® 2000 classic:	Length:	10000 mm
	Thicknesses:	1 mm to 10 mm (white) / 2 mm to 6 mm (black)
Kerafix® 2000 premium:	Lengths:	26000 mm   22000 mm   16000 mm   10000 mm   10000 mm
	Thicknesses:	2 mm   3 mm   4 mm   5 mm   6 mm

*Kerafix® 2000 is available in rolls or strips. The product is manufactured on the basis of the general tolerance DIN ISO 2768-1.*

### Executed Variants

Kerafix® 2000 classic:	White / black; adhesive / not adhesive
Kerafix® 2000 premium:	White; with inside adhesive tape for fast and easy installation

*Please observe our information for processing and the safety data sheet!*

*If you want to use this product outdoors please contact our application technology service.*

### Note

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TECHNICAL DATA  
FROM  
**Anemostat**  
Door Products

4958 Stout Dr. #119, San Antonio, TX 78219  
PH: 210.662.6300 • FAX: 210.662.2828  
e-mail: door@anemostat.com • website: www.anemostat.com

**FLDL**  
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FUSIBLE LINK LOUVER

FIRE RATINGS

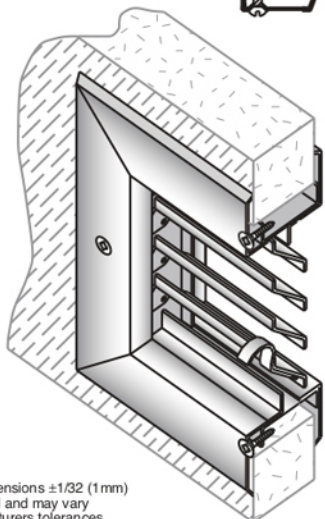
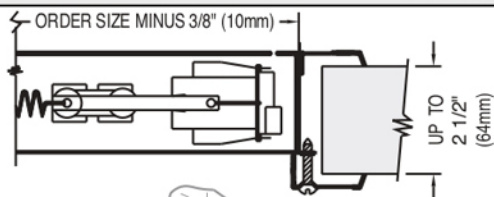


UNDERWRITERS'  
LABORATORIES  
FILE #R7776

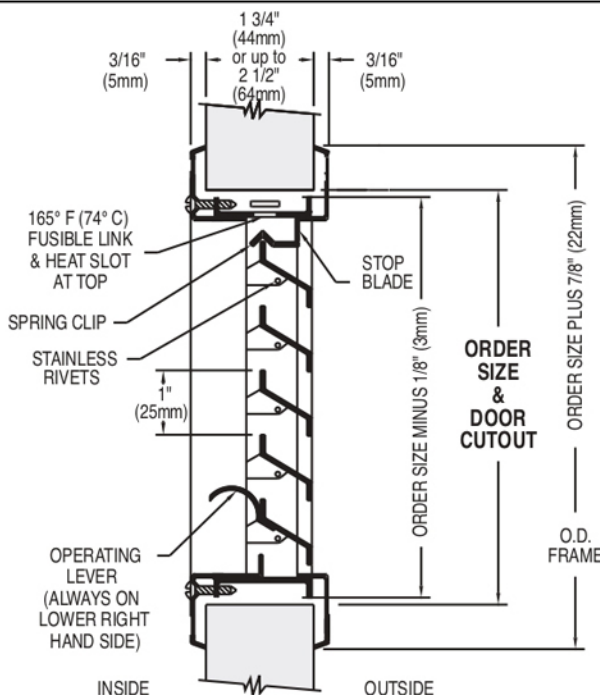
**B.S.-476.22**  
British Standard

**BSEN-1634-1**  
Fire Resistance

DETAIL DRAWING



Anemostat manufacturing dimensions ±1/32 (1mm)  
Actual dimensions are nominal and may vary  
based on component manufacturers tolerances.



STANDARD PRODUCT FEATURES

- MATERIAL:** 18 GA. (1.2mm) Cold Rolled Steel Frame and Louver Blades, 16 GA. (1.5mm) inner support members.
- FINISH:** Grey Primer, Beige or Bronze Baked Enamel.
- INSTALLATION:** Self attaching using #8 x 1" (25mm) phillips head screws that fasten the auxiliary frame to the louver core, thru the cut out in the door. The corridor side of the frame is free of fasteners for added security.
- DOOR THICKNESS:** 1-3/4" (44mm) Door is Standard. Also available up to FLDL-W: 1-3/4" to 2-1/8" (45mm to 54mm) FLDL-W1: 2-1/8" to 2-9/16" (55mm to 65mm)
- CLOSING ASSEMBLY:** Stainless steel operating springs assure proper action with the closing mechanism.
- FREE AIR FLOW:** 40% Free Area.
- NOTE:** For Exterior use, High Humidity or Salt Air application, product must be Galvanized or Stainless Steel.
- IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

OPTIONAL FEATURES

- MATERIAL:** #304 or #316 Stainless Steel, #4 Finish (Satin), Galvanized (Zinc Plated). Not available in Hot Dipped or Aluminum.
- FINISH:** Custom Baked Enamel Colors (as per sample chip supplied by customer).
- FASTENERS:** Special security screw fasteners, See page 14, this section.
- SPECIALS:** Fractional sizes not available. Height must be in even inches, 1" (25.4mm)
- SCREENS:** 18-14 mesh insert screens, framed or attached. (Galvanized, Aluminum, Charcoal Aluminum, Stainless Steel). For detail drawings see pages 12 and 13, this section.

FIRE RATINGS and TEST STANDARDS

UL 10C with Classification Markings

- Approved Listing - 20/45/60/90 Minutes  
Max width 24" (610mm), Max height 24" (610mm)  
Min width 10" (254mm), Min height 6" (152mm)

BSEN-1634-1:2008 (Fire Resistance)

- Approved Testing - Timber Doors - \*30 minutes (E-30)  
Max width 24" (610mm), Max height 24" (610mm)  
Min width 10" (254mm), Min height 6" (152mm).  
\*Must be used with Zero Plus Intumescent Aperture Liner

BS 476.22

- Approved Testing - Steel Doors - 120 Minutes (E-120)  
Max width 24" (610mm), Max height 24" (610mm)  
Min width 10" (254mm), Min height 6" (152mm)

Job Name & Location	Submitted by



# MANUFACTURING FACILITIES;

WE HAVE LATEST & HIGH-TECH MACHINERIES & EQUIPMENTS AND PRODUCTION LINES RELATED TO METAL INDUSTRIES, I.E.



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FOR MEDICAL FURNITURE & METAL INDUSTRIES



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FOR FURNITURE & WOODEN INDUSTRIES

**STEEL &  
WOODEN  
DOORS & FRAMES**  
TOP QUALITY DOORS & FRAMES  
FROM PROFESSIONALS FOR PROFESSIONALS

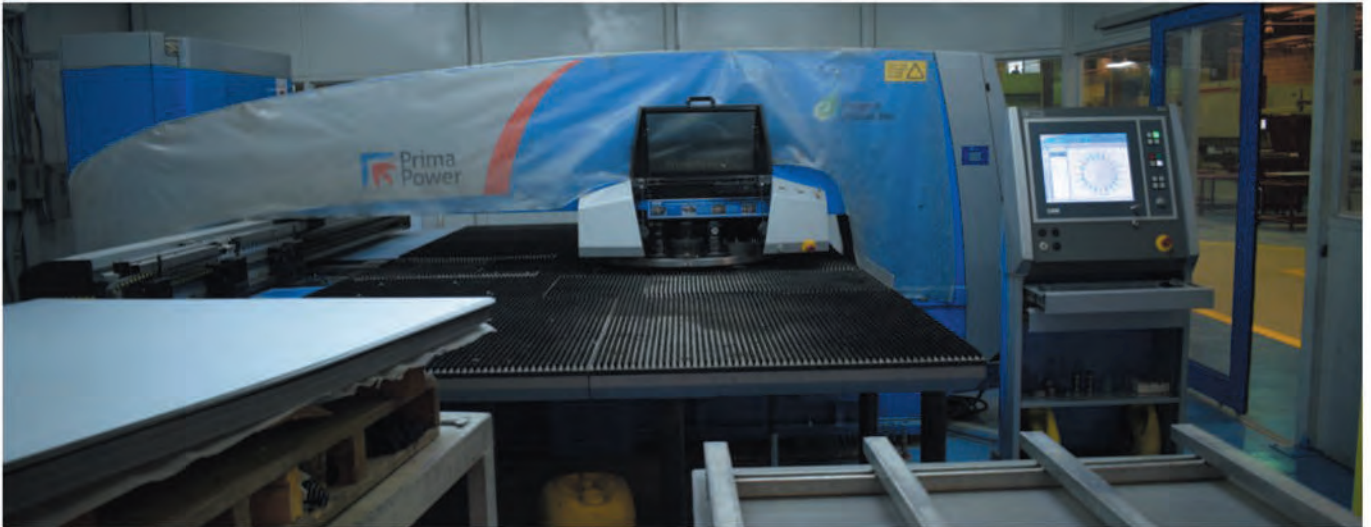


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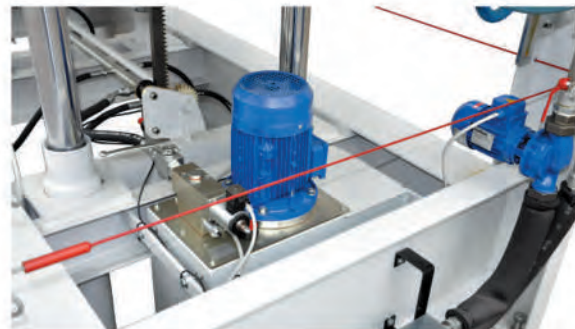
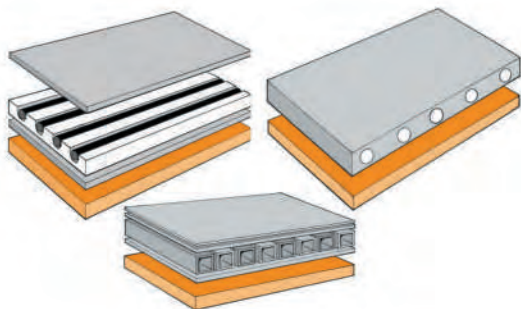


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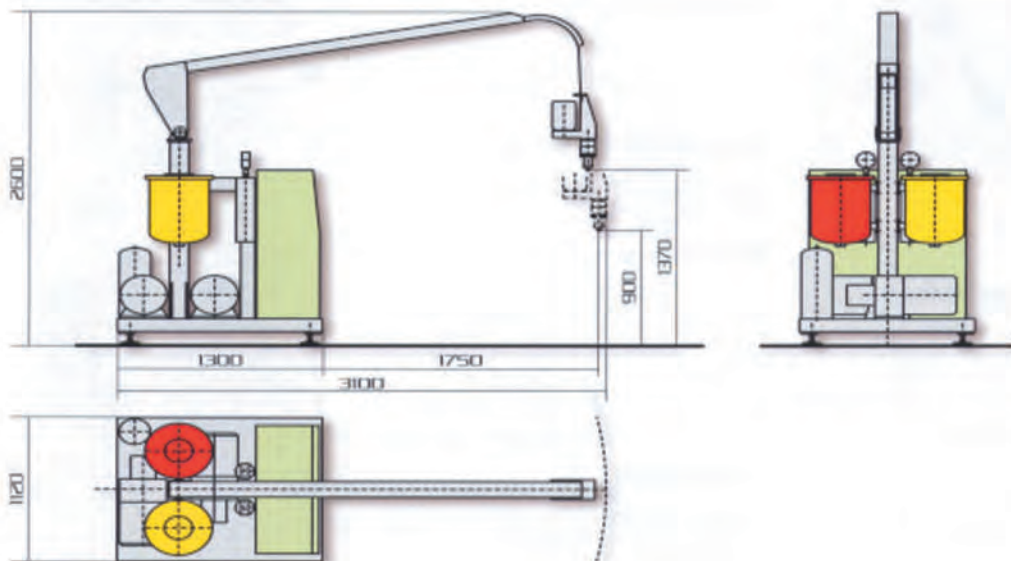


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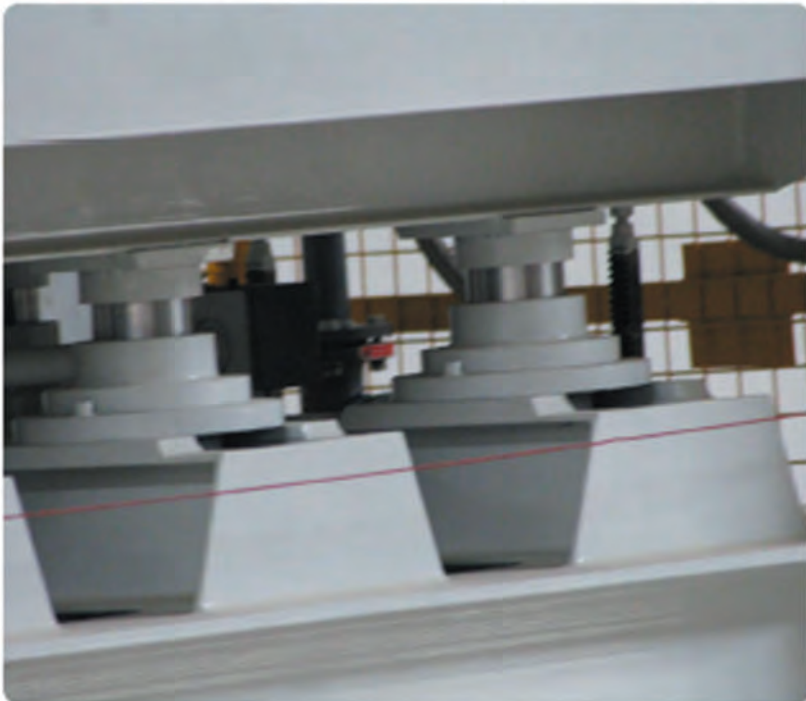
TOP QUALITY DOORS & FRAMES  
FROM PROFESSIONALS FOR PROFESSIONALS



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**STEEL &  
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DOORS & FRAMES**

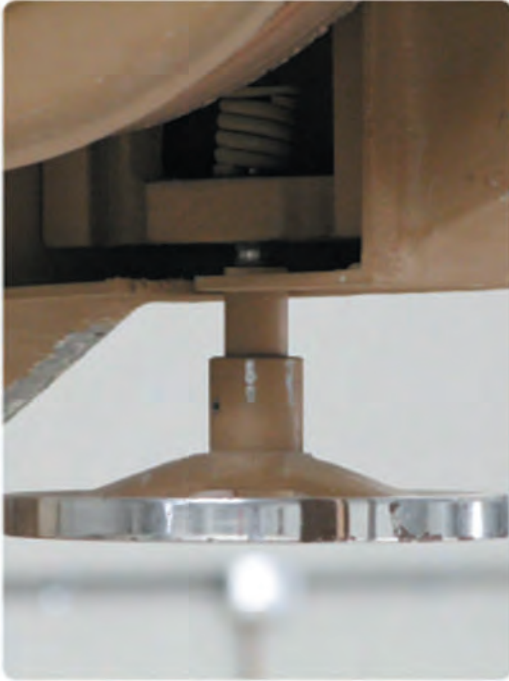
TOP QUALITY DOORS & FRAMES  
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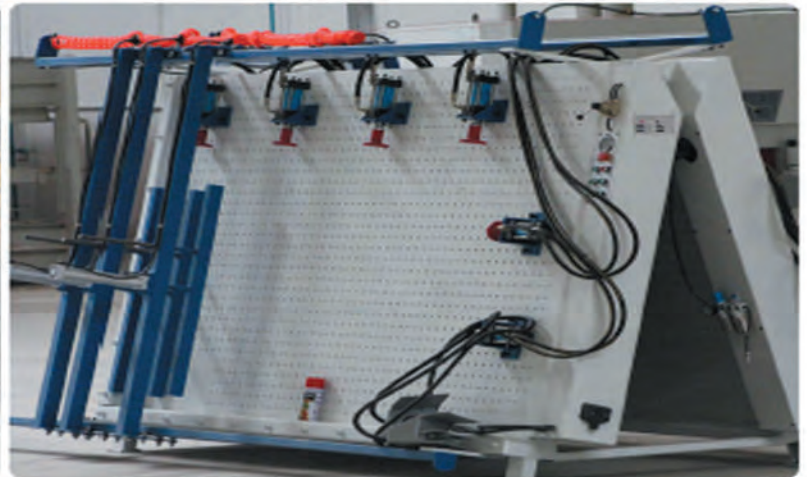
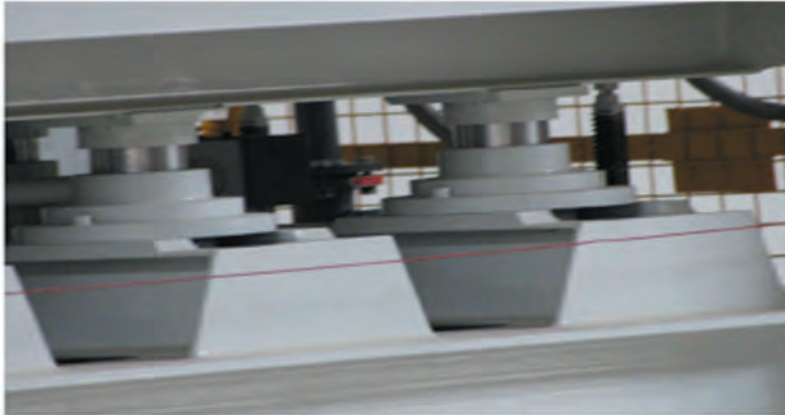
TOP QUALITY DOORS & FRAMES  
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# ADVANTAGES DOORS & FRAMES



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## **WHY NCM & AFF DOORS & FRAMES**

- ADAPTING TO THE NEEDS
- WIDE OFFER
- STYLISTICS/DESIGN
- QUALITY OF PERFORMANCE
- MODERN MACHINE PARK
- FAST AND EASY ASSEMBLY
- KNOWLEDGE
- QUALITY OF SERVICE
- OPERATING PERSONNEL

# ADVANTAGES OF METAL DOORS

Steel doors are widely used in houses, apartments and in places where door operating conditions require a higher resistance to loads, mechanical damages and corrosion. The use of metal materials does not preclude the creation of interesting and structurally advanced products. Well integrated doors may constitute an architectural detail that bonds the whole interior. The precision of performance combined with a high-quality powder coating in any color, enables manufacturing of a product adapted to individual needs.



## DURABILITY

- high durability confirmed with longterm warranty
- exploitation costs reduced to minimum
- high level of humidity resistance
- high quality of finishing coats
- possibility of use as internal and external doors

## QUALITY

- perfect performance of each solution

## DESIGN

- implementation in accordance with norms of selected country
- possibility of manufacturing in accordance with architectural project
- possibility of adaptation to users needs
- possibility of application of various coats
- efficient and quick assembly
- accessories raising functionality of doors

# ADVANTAGES OF METAL DOORS

## FIRE-RATED METAL DOOR

**NCM** IS AN AUTHORIZED WHI FIRE-LABELED FACTORY (WARNOCK HERSEY / INTERTEK), ENABLING US TO MODIFY, RE-CERTIFY AND LABEL FIRE-RATED DOORS AND FRAMES. AND WE ARE CERTIFIED BY UL TO CUT, RE-CERTIFY AND LABEL FIRE-RATED GLAZING MATERIALS. OUR FACILITY UNDERGOES ROUTINE INSPECTIONS TO VERIFY THAT MODIFICATIONS ARE DONE IN COMPLIANCE WITH THE REQUIREMENTS OF THE INTERTEK AND UL SPECIFICATION LISTINGS.

FIRE-RATED STEEL DOORS PLAY A VITAL ROLE IN KEEPING PEOPLE SAFE AND MINIMIZING PROPERTY DAMAGE DURING A FIRE. LABELED FIRE DOORS CONTROL THE SPREAD OF FIRE AND SMOKE FOR UP TO 3 HOURS. METAL FIRE DOORS ARE AN ECONOMICAL ALTERNATIVE TO WOOD FIRE DOORS WHEN MORE THAN A 20-MINUTE RATING IS REQUIRED. STEEL IS THE SOLE DOOR MATERIAL TO DELIVER A 3-HOUR FIRE-RATING.

### - FEATURES

- FIRE-RATED UP TO 3 HOURS WITH WHI / ITS MYLAR LABEL APPLIED (**BS STANDARDS** )
- 1-3/4" THICK, NON-HANDED DESIGN WITH REVERSIBLE HINGE PLATES
- INTERLOCKING SEAM ENHANCES STRUCTURAL RIGIDITY AND DURABILITY
- FACTORY APPLIED RUST INHIBITING PRIMER
- FIRE-RATED GLASS OPTIONS FOR VISION LITES
- HEAVY-DUTY 18-GAUGE STEEL DOORS
- MINERAL WOOL (ROCKWOOL),

NON FIRE RATED

20 MIN FIRE RATED

45 MIN FIRE RATED

60 MIN FIRE RATED

90 MIN FIRE RATED

180 MIN FIRE RATED



METAL DOOR



METAL DOOR WITH GLASS



METAL DOOR WITH LOUVER

**STEEL &  
WOODEN  
DOORS & FRAMES**

TOP QUALITY DOORS & FRAMES  
FROM PROFESSIONALS FOR PROFESSIONALS

# ADVANTAGES OF WOODEN DOORS

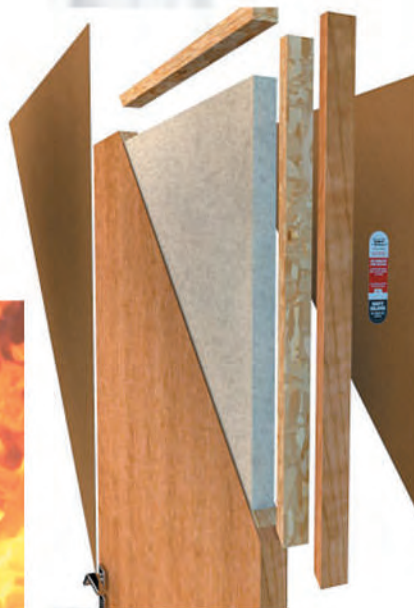
**AL-AALAMI FACTORY CO.** OFFER BOTH STANDARD AND CUSTOM OPTIONS FOR COMMERCIAL SOLID CORE WOOD DOORS. DOORS SUPPLIED INCLUDE ARCHITECTURAL-GRADE FLUSH WOOD DOORS AND ALONG WITH FIRE RATED DOORS AND STILE AND RAIL WOOD DOORS. ALL OF OUR WOOD DOORS ARE DURABLE ENOUGH TO WITHSTAND FREQUENT USAGE WHILE RETAINING THEIR ATTRACTIVE APPEARANCE FOR HIGH-TRAFFIC INSTALLATIONS IN ANY KIND OF COMMERCIAL BUILDING SETTING INCLUDING; OFFICE BUILDINGS, HOTELS, SCHOOL AND UNIVERSITIES, HOSPITALS, CONDOMINIUMS, APARTMENTS, DETENTION CENTERS AND MANY OTHERS.

WITH HIGH QUALITY AND VALUE IN MIND WE ARE PROUD TO PROVIDE WOOD DOORS THAT CONFORM TO OR EXCEED THE WINDOW AND DOOR MANUFACTURERS' EXTRA HEAVY DUTY LEVEL. THAT MEANS YOUR DOORS WILL MEET THE FULL RANGE OF SAFETY, SECURITY AND AESTHETIC REQUIREMENTS.

WE GIVE OUR CUSTOMERS THE CHOICE TO HAVE ANY OF OUR WOOD DOOR OPTIONS PRE-MACHINED TO FIT NEARLY EVERY HARDWARE APPLICATION MAKING FOR AN EASY AND HASSLE FREE INSTALLATION.

OTHER APPLICATIONS COULD INCLUDE:

- RESORTS
- OFFICE BUILDINGS
- MEDICAL CLINICS
- ASSISTED LIVING CENTERS
- MUNICIPAL BUILDINGS
- MILITARY INSTALLATIONS AND HOUSING
- COURTHOUSES
- STADIUMS AND SPORTS FACILITIES



**STEEL &  
WOODEN  
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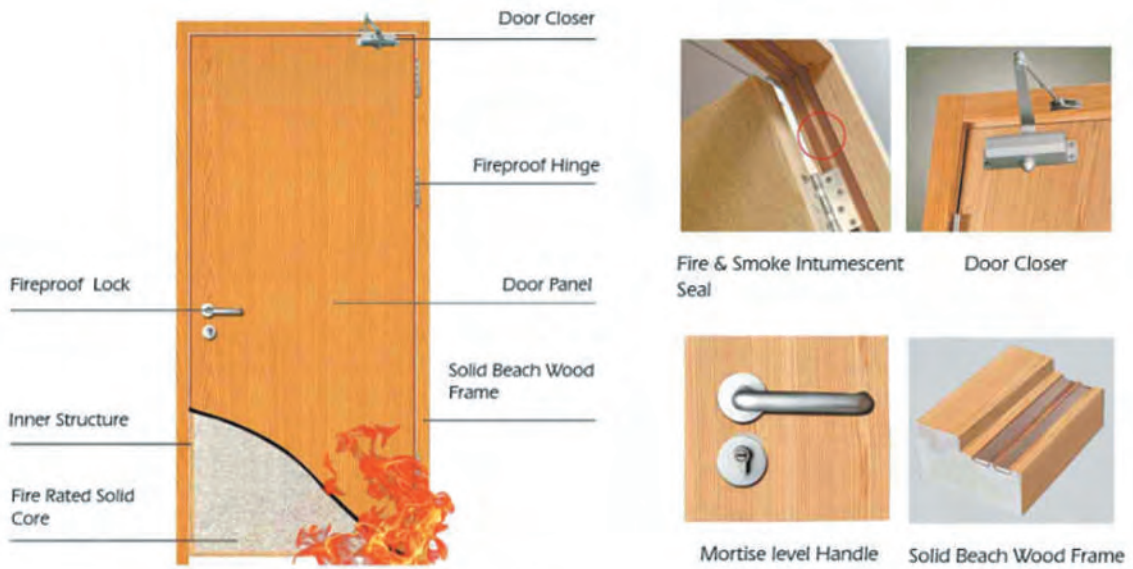
# ADVANTAGES OF WOODEN DOORS

## FIRE-RATED WOODEN DOOR

**AL-AALAMI FACTORY CO.** FOCUSES ON FIRE DOORS SOLUTIONS AND AS THE GLOBAL LEADING FIRE DOOR PROVIDER, IT HAS FULL RANGE OF FIRE DOORS CERTIFICATES UNDER BRITISH STANDARD:476, INCLUDING FD30, FD60, FD90, FD120, BY INTERTEK AND AWI , AND HAS PASSED 20MIN, 45MIN , 60MIN AND 90MIN FIRE TESTS UNDER UL STANDARD. WE ARE ABLE TO PROVIDE YOU THE MOST COMPREHENSIVE SUPPORTS IN FIRE DOOR.

### - FEATURES

- AVAILABLE WITH A RANGE OF HARDWARE PREPS AND GLASS LITES
- 45, 60, OR 90-MINUTE FIRE-RATING WITH WHI / ITS METAL LABEL APPLIED (UL STANDARD)
- 30, 60, 90 OR 120-MINUTE FIRE-RATING WITH WHI / ITS METAL LABEL APPLIED (BRITISH STANDARD)
- FIRE-RATED METAL DOOR FRAMES AVAILABLE
- NON FIRE-RATED WOODEN DOORS AVAILABLE



WOODEN DOOR



WOODEN DOOR WITH METAL DOOR FRAMES



WOODEN DOOR WITH GLASS



WOODEN DOOR WITH LOUVER

**STEEL &  
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DOORS & FRAMES**

TOP QUALITY DOORS & FRAMES  
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# ADVANTAGES OF METAL DOOR FRAMES

Steel door frames are widely used in houses, apartments and in places where door operating conditions require a higher resistance to loads, mechanical damages and corrosion. The use of metal materials does not preclude the creation of interesting and structurally advanced products. Well integrated door frames may constitute an architectural detail that bonds the whole interior. The precision of performance combined with a high-quality powder coating in any color, enables manufacturing of a product adapted to individual needs.



## DURABILITY

high durability confirmed with longterm warranty  
exploitation costs reduced to minimum  
high level of humidity resistance  
high quality of finishing coats  
possibility of use in internal and external doors



## QUALITY

- perfect performance of each solution



## DESIGN

- implementation in accordance with norms of selected country
- possibility of manufacturing in accordance with architectural project
- possibility of adaptation to users needs
- possibility of application of various coats
- efficient and quick assembly
- door frame cooperation with wooden, steel and glass door leaves



# PRODUCTS NCM&AFF



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## FIRE RATED METAL DOORS

- ✓ Available with Glass kits or Louvers
- ✓ Up to 3 Hour Fire Rating Available
- ✓ Complete Door and Frame
- ✓ Super Fast Shipping



### SINGLE FIRE RATED DOORS



FIRE RATED STEEL DOORS



FIRE RATED STEEL DOOR  
WITH GLASS KIT



FIRE RATED STEEL DOOR  
WITH LOUVER

### DOUBLE FIRE RATED DOORS



DOUBLE FIRE RATED STEEL



DOUBLE FIRE RATED STEEL  
DOOR WITH GLASS KIT



DOUBLE FIRE RATED STEEL  
DOOR WITH LOUVER

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# NON- FIRE RATED METAL DOOR

- ✓ Available with Glass kits or Louvers
- ✓ Complete Door and Frame
- ✓ Super Fast Shipping

## NON- FIRE RATED DOORS (SINGLE- DOUBLE)



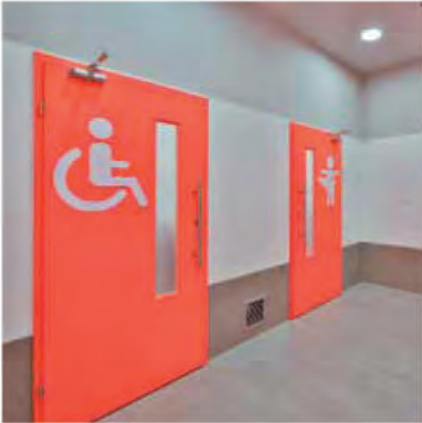


# NON- FIRE RATED METAL DOOR

- ✓ Available with Glass kits or Louvers
- ✓ Complete Door and Frame
- ✓ Super Fast Shipping



**CUSTOMIZED TYPE OF METAL, COLOR, SIZE, COMPARTMENT COMBINATIONS AND OTHER .**



SHOPPING MALL



RESIDENTIAL ESTATE  
UNIVERSAL DOORS TO UTILITY  
ROOMS



CENTRE OF FINE ARTS



RESIDENTIAL ESTATE  
UNIVERSAL DOORS TO UTILITY  
ROOMS



GARAGE HALL



CENTRE OF FINE ARTS



CENTRE OF FINE ARTS



COLLEGE



GARAGE HALL



# METAL DOORS

## PANELS



POLYURETHANE CORE

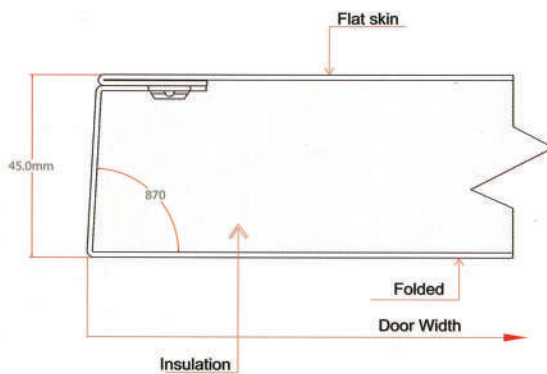


POLYSTYRENE CORE



STEEL STIFFENED WITH  
ROCK WOOL

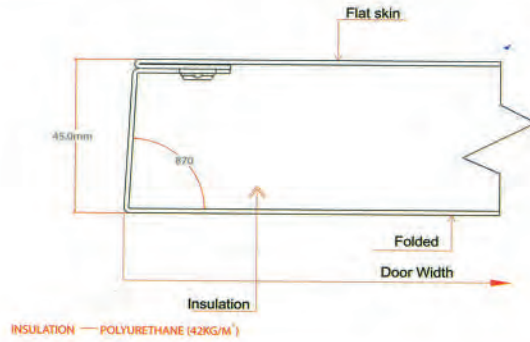
### Honeycomb Door



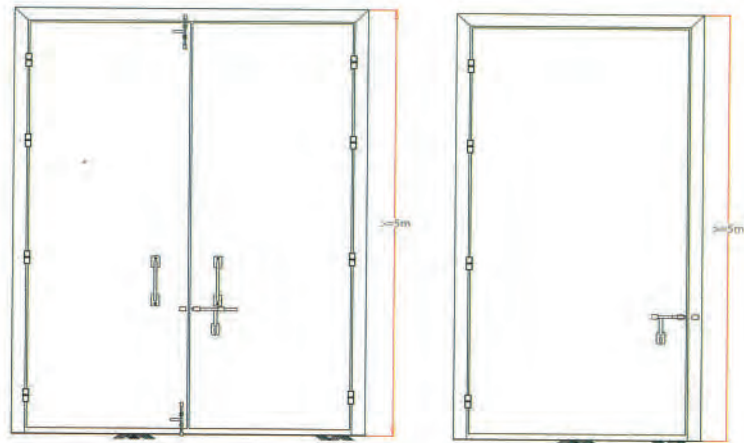


# METAL DOORS

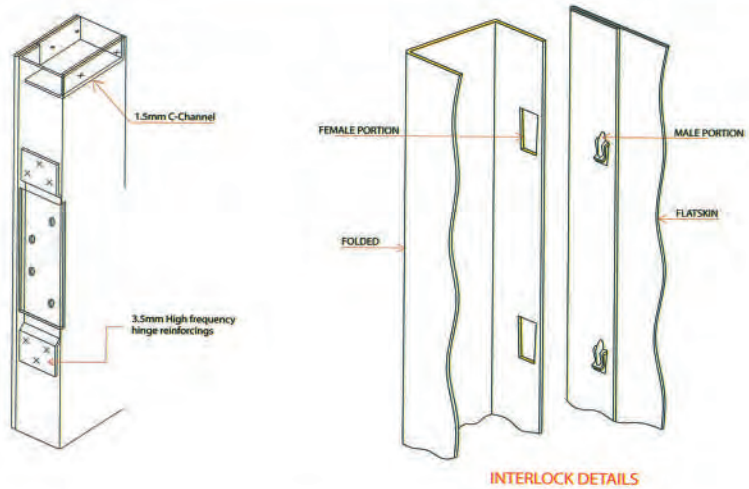
## Non-Fire Rated Door



## Over Size Door



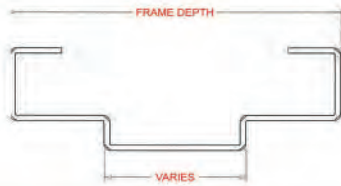
## Panel Details



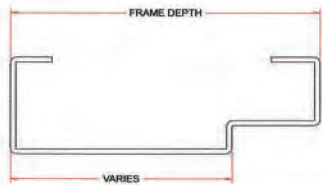


# DOOR FRAMES

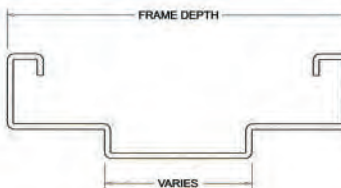
## FRAME PROFILE



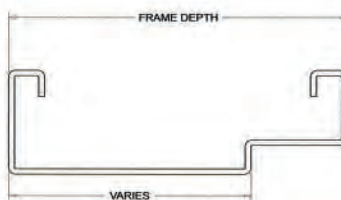
Frame - J1



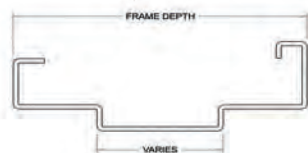
Frame - J2



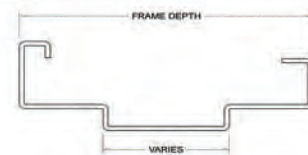
Frame - J3



Frame - J4



Frame - J5



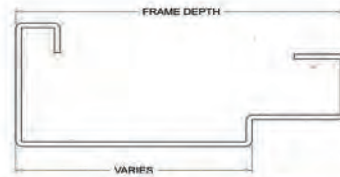
Frame - J6



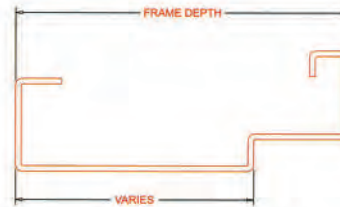
# DOOR FRAMES

## FRAME PROFILE

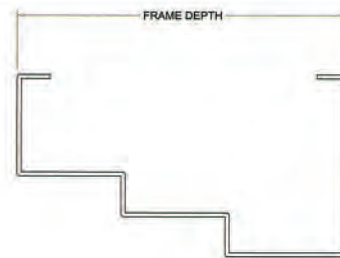
Frame - J7



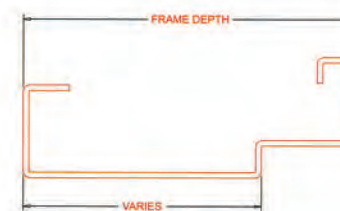
Frame - J8



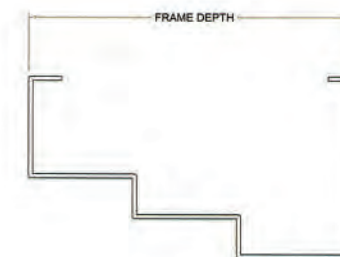
Frame - J9



Frame - J10



Frame - J11



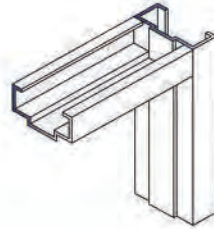




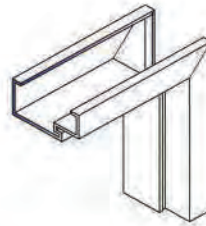
# DOOR FRAMES

## CORNER DETAILS

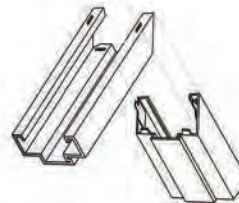
**Jamb Profile Type- J1  
Frame Joint Type- F1 Butt  
Weld**



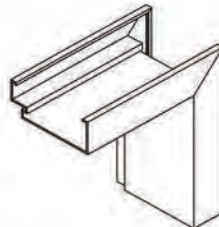
**Jamb Profile Type- J6  
Frame Joint Type- F2 Mit-  
tered Weld**



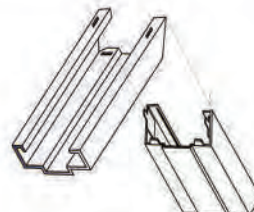
**Jamb Profile Type- J7  
Frame Joint Type- F4 Mit-  
tered Knocked Down**



**Jamb Profile Type- J12A  
Frame Joint Type- F2 Mit-  
tered Weld**



**Jamb Profile Type- J9  
Frame Joint Type- F4 Mit-  
tered Knocked Down**



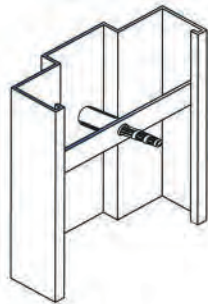


# DOOR FRAMES

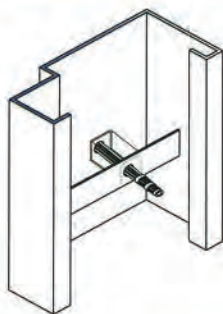
## ANCHOR TYPES



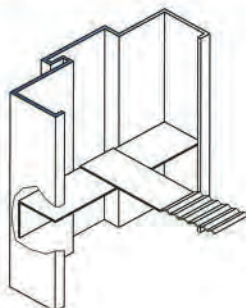
**Jamb Profile Type- J2**  
**Anchor Type- A1**



**Jamb Profile Type- J3**  
**Anchor Type- A2**



**Jamb Profile Type- J12**  
**Anchor Type- A3**

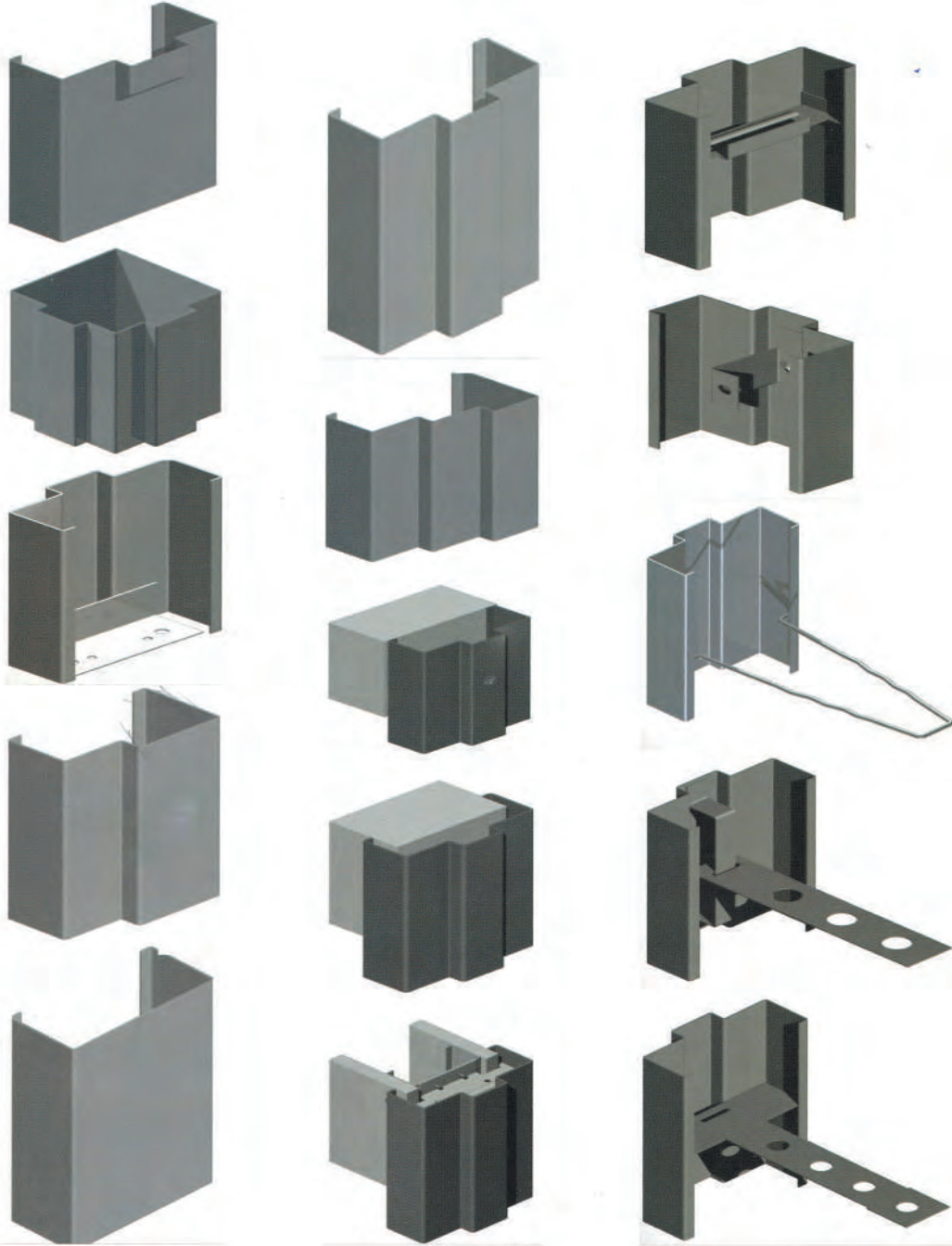


**Jamb Profile Type- J5**  
**Anchor Type- A4**



# DOOR FRAMES

## FRAME TYPES AS PER WALL TYPE & DOOR FUNCTION





## PRODUCTS



**AL-AALAMI FACTORY CO.**  
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**STEEL &  
WOODEN  
DOORS & FRAMES**  
TOP QUALITY DOORS & FRAMES  
FROM PROFESSIONALS FOR PROFESSIONALS



## FIRE RATED WOODEN DOORS

- ✓ AVAILABLE WITH GLASS KITS OR LOUVERS
- ✓ UP TO 90 MINUTE FIRE RATING AVAILABLE (UL STANDARDS )
- ✓ UP TO 120 MINUTE FIRE RATING AVAILABLE (BS STANDARDS )
- ✓ COMPLETE DOOR AND FRAME
- ✓ SUPER FAST SHIPPING



### SINGLE FIRE RATED DOORS



FIRE RATED WOODEN DOORS



FIRE RATED WOODEN DOOR WITH GLASS KIT



FIRE RATED WOODEN DOOR WITH LOUVER

### DOUBLE FIRE RATED DOORS



DOUBLE FIRE RATED WOODEN DOORS



DOUBLE FIRE RATED WOODEN DOOR WITH GLASS KIT



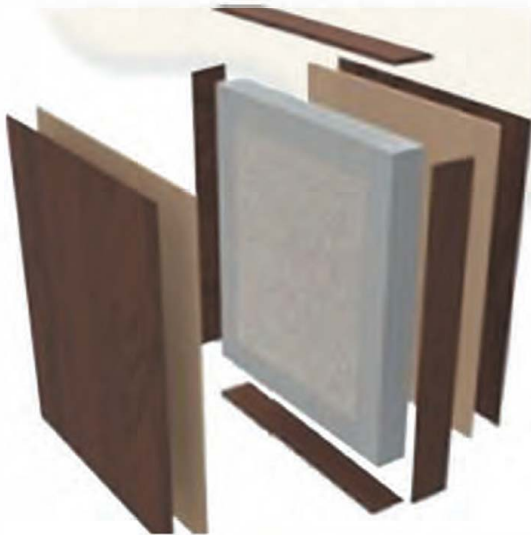
DOUBLE FIRE RATED WOODEN DOOR WITH LOUVER

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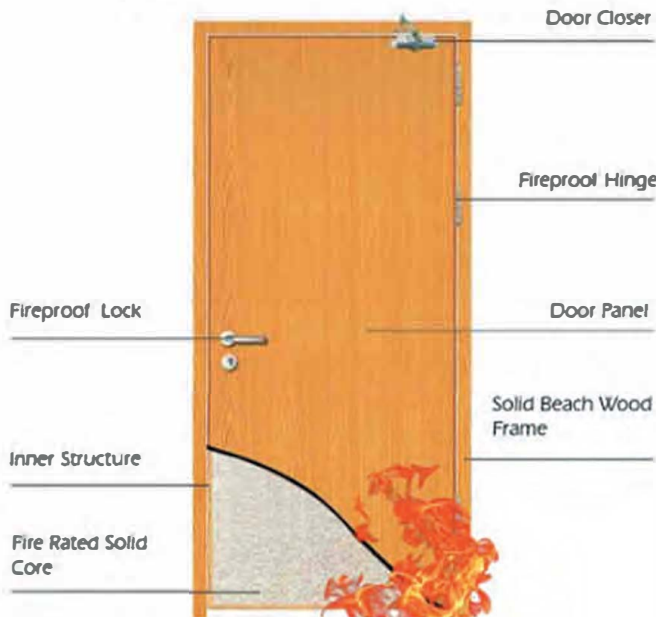


# FIRE RATED WOODEN DOORS

## AMERICAN STANDARD



## BRITISH STANDARD



Fire & Smoke Intumescent Seal



Door Closer



Mortise level Handle



Solid Beach Wood Frame

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# NON FIRE RATED WOODEN DOORS



**STEEL &  
WOODEN**  
DOORS & FRAMES  
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# NON FIRE RATED WOODEN DOORS

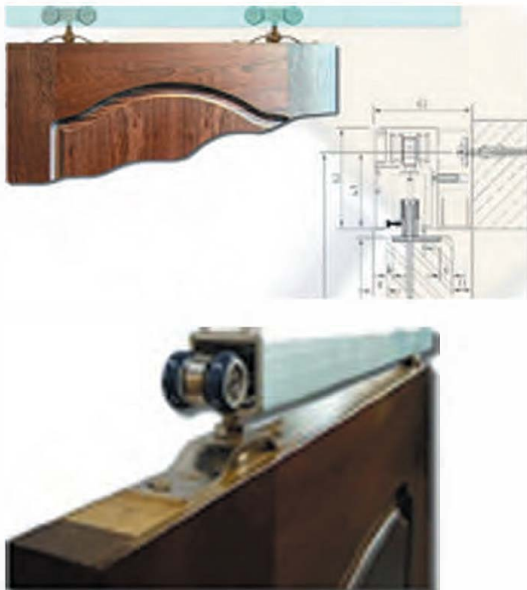
## SOLID WOODEN DOORS



## WOODEN DOORS SKIN



## SLIDING WOODEN DOORS



## SEVERAL SHAPES







# NON FIRE RATED WOODEN DOORS



## SEMI SOLID CORE

- SOFT OR HARD WOOD CORE "LADDER SYSTEM"
- MDF | PLYWOOD FACING
- HPL / WOOD VENEER FINISH



## HOLLOW CHIPBOARD CORE

- HOLLOW CHIPBOARD CORE
- MDF | PLYWOOD FACING
- HPL / WOOD VENEER FINISH



## SOLID CHIPBOARD CORE

- SOLID CHIPBOARD CORE
- MDF | PLYWOOD FACING
- HPL / WOOD VENEER FINISH



## HONEYCOMB CORE

- CARTON HONEYCOMB
- MDF | PLYWOOD FACING
- HPL / WOOD VENEER FINISH





# PREVIOUS WORK NCM&AFF



**NATIONAL COMPANY.**  
FOR MEDICAL FURNITURE & METAL INDUSTRIES



**AL-AALAMI FACTORY CO.**  
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الشركة الوطنية لصناعة الأثاث الطبي والمعدني

National Company For Medical Furniture & Metal Industries



## Main Projects List


No.	Project Name	Contractor	المقاول	اسم المشروع ورقمه	م
1	Southern Border Housing Project, Ministry of Interior, Jazan - Doors S10	Al-Saif and Arabian Construction Company (ACC)	تحالف السيف والاشاعات العربية	مشروع اسكان الحدود الجنوبية وزارة الداخلية جازان - ابواب S10	1
2	Southern Border Housing Project, Ministry of Interior, Jazan - Kitchens S10	Al-Saif and the Arabian Construction Company (ACC)	تحالف السيف والاشاعات العربية	مشروع اسكان الحدود الجنوبية وزارة الداخلية جازان - مطابخ S10	2
3	Southern Border Housing Project, Ministry of Interior, Jazan - Doors S11	Al-Saif and the Arabian Construction Company (ACC)	تحالف السيف والاشاعات العربية	مشروع اسكان الحدود الجنوبية وزارة الداخلية جازان - ابواب S11	3
4	Southern Border Housing Project, Ministry of Interior, Jazan - Kitchens S11	Al-Saif and Arabian Construction Company (ACC)	تحالف السيف والاشاعات العربية	مشروع اسكان الحدود الجنوبية وزارة الداخلية جازان - مطابخ S11	4
5	Southern Border Housing Project, Ministry of Interior, Asir - Doors S2	ABV Rock Group Co. Ltd	شركة ايه بي في روك جروب	مشروع اسكان الحدود الجنوبية وزارة الداخلية عسير - ابواب S02	5
6	Southern Border Housing Project, Ministry of Interior, Asir - Kitchens S2	ABV Rock Group Co. Ltd	شركة ايه بي في روك جروب	مشروع اسكان الحدود الجنوبية وزارة الداخلية عسير - مطابخ S02	6
7	Southern Border Housing Project, Ministry of Interior, Asir - Mosques	ABV Rock Group Co. Ltd	شركة ايه بي في روك جروب	مشروع اسكان الحدود الجنوبية وزارة الداخلية عسير - مساجد	7
8	Housing project of the Ministry of Interior, Abha - Doors	Eagle International Contracting Est	مؤسسة النسور الدولية للمقاولات	مشروع اسكان وزارة الداخلية ابها - ابواب	8
9	Housing project of the Ministry of Interior, Abha - Kitchens	Eagle International Contracting Est	مؤسسة النسور الدولية للمقاولات	مشروع اسكان وزارة الداخلية ابها - مطابخ	9
10	Southern Border Housing Project, Ministry of Interior, Salwa - Kitchens	Shapoorji Pallonji	شركة شاپورجي بالونجي ميكل ايست	مشروع اسكان الحدود الجنوبية وزارة الداخلية سلوى - مطابخ	10
11	Southern Border Housing Project, Ministry of Interior, Salwa - Doors	Shapoorji Pallonji	شركة شاپورجي بالونجي ميكل ايست	مشروع اسكان الحدود الجنوبية وزارة الداخلية سلوى - ابواب	11
12	Wooden doors project at Prince Abdul Ilah farm	Al Bawani	شركة البواني للمقاولات	مشروع الابواب الخشبية بمزرعة الامير عبد الاله	12
13	Woodwork project at the National Center for Educational Information	Al Bawani	شركة البواني للمقاولات	مشروع اعمار خشبية بالمركز الوطني للمعلومات التربوية	13




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