

# Certificate of Compliance



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

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

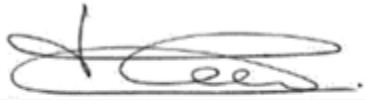
Certificate number: WHI20-29215811

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:** Bin Ghurair Metal Industries L.L.C.  
Plot No. 597-400  
Dubai Investment Park 2  
Dubai  
United Arab Emirates

**Product:** Bin Ghurair - Forster Presto - Fully Glazed Steel Door  
Assembly - 180 Minutes - EN 1634-1  
*Spec ID: 55987*  
*Fire Rating: 2 Hour Fire Rated, 180 Minute Fire Rated*  
*Listing Information: See following page(s)*

**Certification body:** Intertek Testing Services NA, Inc.  
**Initial registration:** March 30, 2020  
**Date of expiry:** December 31, 2024  
**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)

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## LISTING INFORMATION

### PRODUCT COVERED

Bin Ghurair - Forster Presto - Fully Glazed Steel Door Assembly - 180 Minutes - EN 1634-1

### PRODUCT DESCRIPTION

1- Fully Glazed Steel Door Assembly:

The door frames are constructed using Forster Presto - ref: 32.800, 70 x 50mm (wide x depth) steel profiles. Forster Presto - ref: 32.803, 90 x 50mm (wide x depth) steel profiles are used to construct the door leaf. Forster Presto - ref: 32.805, 90 x 50mm (wide x depth) steel profiles are used to construct the top door member frame and the door leaf the meeting edge of the inactive leaf and Forster Presto - ref: 32.851, 70 x 50mm (wide x depth) steel profiles are used to construct the bottom members of both the leaves.

Forster Presto - ref: 32.851, 70 x 50mm (wide x depth) steel profiles are used to construct the overhead fix screen.

The door leaves are glazed with fire rated glass ref: Contraflam Lite 120, 14mm thick glass from Vetrotech Saint-Gobain International AG using 15 x 5mm (w x t) ceramic glazing tape (Forster ref: 948005). 14 x 2mm thick intumescent tape (Forster ref: 948000) is self-adhered around the perimeter of the glazing panes. The glass is supported on calcium silicate setting blocks- ref: Flammi 12 (nominal - 5mm thick) and kept in position using steel glazing beads (Forster ref: 901228) pressure fitted over studs (Forster ref: 906579) spaced nominally every 210mm c/c and also fixed using M4x30mm stainless steel screws spaced nominally at 500mm c/c. Chloroprene Rubber (CR-Type, Forster ref: 905307) gasket is used between the door frames and door leaves.

Maximum tested sizes:

Single Leaf Door Assembly:

Door Frame including transom panel: 1100 x 3100 x 50mm (w x h x depth)

Door leaf size: 1020 x 2575 x 50mm (w x h x thk.)

Glass size in door leaf: 870 x 2445 x 14mm (w x h x thk.)

Clear view of glass in door leaf: 840 x 2415mm (w x h)

Double Leaf Door Assembly:

Door Frame including transom panel: 2200 x x 3100 x 50mm (w x h x depth)

Door leaf size: 1075 x 2575 x 50mm (w x h x thk.)

Glass size in door leaf: 925 x 2445 x 14mm (w x h x thk.)

Clear view of glass in door leaf: 895 x 2415mm (w x h)

2- Fully Glazed Double Leaf Steel Door Assembly with EW120 16mm thick Pyrobel-T Glass Panes:

The door frame is constructed using Forster Presto 32.805Z (top/Hinge side) steel profiles. The active leaf is made of 32803Z (top and sides) and 32.851Z at the bottom. The inactive leaf is made up 32.805Z (top/ Hinge side), 32.805Z at the meeting stile and 32.851Z at the bottom.

Door leaves are glazed with 16mm thick Pyrobel-T produced by AGC Glass Europe using glazing tapes (item code: 948005, 948006) and steel glazing beads pressure fitted over steel studs (item code: 906579). The glazing beads are also fitted with self-drilling screws of Ø4.8 x 63mm size placed 70mm from either edge and every 300mm C/C.

Maximum tested sizes:

Door leaf size: 1100 x 2565 x 50mm (w x h x thk.)

Glass size in door leaf: 950 x 2435 x 16mm (w x h x thk.)

## FIRE RATINGS

The Fully Glazed Single or Double Leaf Doorsets installed in a standard rigid masonry supporting construction qualifies for the following ratings according to EN 1634-1:2014+A1:2018: Fire resistance test for door and shutter assemblies and openable windows:

Single leaf door with transom panel:

Criteria	Results
Integrity (E)	180 Minutes
Radiation Control (W)	180 Minutes
Insulation (I <sub>2</sub> )	15 Minutes

Double leaf door with transom panel:

Criteria	Results
Integrity (E)	180 Minutes
Radiation Control (W)	120 Minutes
Insulation (I <sub>2</sub> )	15 Minutes

Double leaf door with EW120 16mm thick Pyrobel T Glass Panes:

Criteria	Results
Integrity (E)	120 Minutes
Radiation Control (W)	120 Minutes

Note 1: The doors are tested with glazing beads on the fire side and opening away from the fire exposure which allows the uninsulated door opening towards the fire side also.

Note 2: The doors may be installed without overhead transom panels.

Note 3: For up to E 120 rating, based on direct field of application in EN 1634-1 standard with a Category B overrun time - the door and transom panel size may be extended by 15% in height and width provided the increase in overall area is limited to 20%.