intertek
Total Quality. Assured.

Intertek

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 Service Mark 2014 for Category D - Door/frame Assemblies

Standards: BS 476 Part 22 (1987), EN 1634-1 (2014)

Certificate number: WHI17–29215806

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

Product: Bin Ghurair - EN 1634-1/BS 476 Part 22 - 240 minute Swinging Type Fire Door & Frame Assembly (Honeycomb Infill)
Spec ID: 42146
Fire Rating: 2 Hour Fire Rated, 1 Hour Fire Rating, 3 Hour Fire Rated, 4 Hour Fire Rated, 90 Minute Fire Rated
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: July 31, 2017
Date of expiry: December 31, 2024
Issue status: 9

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

LISTING INFORMATION

FIRE RESISTANT PRODUCT AND COMPONENTS

Fire door and frame assembly - Honeycomb infill type

PRODUCT COVERED

Single and Double Leaf Steel Fire Door and Frame

PRODUCT DESCRIPTION

Single and Pair of swinging, hollow metal type, honeycomb infill fire doors intended for use in masonry constructions.

The door frame can be installed with or without grouting.

Limitations:
Minimum latch throw - 11mm (Mortise lock), 19mm (Panic push bar).
Minimum 3-point latching required for double leaf doors (top and bottom flushbolts on the inactive leaf and center latch for the active leaf).

Maximum tested sizes:

Single door frame - 1200mm x 2800mm x 150mm (w x h x jamb depth)
Single door leaf - 1094mm x 2737mm x 45mm (w x h x thickness)

Double door frame - 2400 x 2800mm x 150mm (w x h x jamb depth)
Double door leaf - 1145mm x 2737mm x 45mm (w x h x thickness)

Vision Panel Glass - 225mm x 725mm x 5mm (w x h x thickness)

Allowed Extended Sizes for 240 minute fire rating:

	Width (mm)	Height (mm)	Area (sq. m)
Single Door Frame	1380 (at 2920mm height)	3220 (at 1251mm width)	4.03
Single Door Leaf	1258 (at 2853mm height)	3147 (at 1140mm width)	3.59
Double Door Frame	2760 (at 2920mm height)	3220 (at 2503mm width)	8.06
Double Door Leaf	1316 (at 2857mm height)	3147 (at 1194mm width)	3.76

Allowed Extended Sizes for the vision panel glass for 240 minute fire rating:

	Width (mm)	Height (mm)	Area (sq. m)
Vision panel glass	258 (at 736mm height)	833 (at 228mm width)	0.19

Allowed Extended Sizes for 120 minute fire rating:

	Width (mm)	Height (mm)	Area (sq. m)
Single Door Frame	1560 (at 2903mm height)	3640 (at 1244mm width)	4.53
Single Door Leaf	1422 (at 2834mm height)	3558 (at 1132mm width)	4.03
Double Door Frame	3120 (at 2907mm height)	3640 (at 2491mm width)	9.07
Double Door Leaf	1488 (at 2836mm height)	3558 (at 1186mm width)	4.22

NOTE: Transom panel can be added in the honeycomb infill door assemblies up to a total **maximum height (including transom panel) of 3300mm for a maximum 120 minutes Integrity (E) rating.**

- The door frame jambs and head are to be extended in height to the top of the structural opening.
- The transom panel, up to 560mm high, should be of the same construction as the door leaves and must be separated from the door leaves by a transom bar.
- The panels must be fastened to the door frame using 5mm diameter bolts via 45mm x 45mm x 60mm-long x 3mm-thick steel cleats; the location of the cleats are as shown in drawings in Appendix A.
- Where the doorset is fitted with a transom panel, the maximum height of the doorset, including the transom panel, must not exceed 3300mm.
- Doors can be installed with security bolts (product ref: Eurospec DSB8225, steel/stainless steel material, with a minimum bolt throw - 12mm) for locations requiring limited or temporary access. Such doors are not eligible for installation in egress routes. Refer report number 01100259SHJ-001 for full details.

Hardware:
Hinge: Simplex ref: HSSBS-SIM-FR-4x3x3 or HSSBS-SIM-FR2BB443, Fort ref: 450.434
Panic Push Bar: Simplex ref: SED1501S; External Trim: Simplex ref: EDA 108
Mortise Lockset: Simplex ref: DOM D31, Dorma ref: 752-F
Lock Cylinder: Simplex ref: 1951
Manual Flush Bolt: Simplex ref: SPX-100, Hager ref: 282D
Door closer: Simplex ref: SPX8300, Simplex ref: STS680 - installed on the exposed side

RATINGS
The single and double door and frame assemblies have been evaluated in accordance with EN 1634-1:2014 and BS 476 Part 22 standards and achieved the following ratings:

Integrity	240 Minutes