Date : 15th September 2017

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	RC138-2 (Rev.01)	**CERTIFICATE NUMBER**	IFCC 1318
DATE OF ISSUE	17 Sept 2017	**DATE OF ISSUE**	7th September 2017
DATE OF EXPIRY	No specified expiry date	**DATE OF EXPIRY**	6th September 2022
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Eagle Steel Industries FZC	**NAME OF THE BRAND**	Double Steel Doorset Unglazed
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Sharjah - UAE P.O. Box 53729 UAE	**MODEL / NO**	N/A
WEBSITE	www.eaglesteelindustries.com		IFC Certification Ltd Tel: +44(0)1844 275500 Fax: +44(0)1844 274002 Email: info@ifccertification.com Web: www.ifccertification.com | Manufacturers/Clients LOGO | Fabricator: XXXXXXXXXXXXXXXX Tel: XXXXX XXX XXX Email: emailaddressoffabricator Web: www.fabricatorssite.com | FD XX FRTDIFCCXXXXXXXXX STANDARD: XXXXXXXX
TEL	+971 50 93 45 514	**EMAIL**	info@eaglesteelindustries.com

Product Details From Test Report		ReferenceTest Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITYETC)	FD180 Single acting double leaf steel doorset with rockwool infill and transom panel. The overall dimensions of the doorset was 2285 x 2995 x 150mm (h x w x jamb depth).	Page 4 of 34
TEST STANDARD (SUCH AS ASTM/BS EN/ DNETC)	BS 476 Part 22:1987 Fire Tests on Building Materials and Structures – Part 22: Methods for Determination of the Fire Resistance of Non-load bearing Elements of Construction. Doorset has been evaluated in accordance with method 7: Determination of the Fire Resistance of Partially Insulated Doorsets and Shutter Assemblies.	Page 4 of 34
TEST DESCRIPTION	The restraint frame was made of steel and refractory castable with an opening of 3000 x 3000 mm (wxh) which was filled using solid concrete blocks of thickness 200m and density of 2000kg/m3 to provide an opening of 2295 x 3000mm (h x w) for the doorset. No lintel was used. The doorset was installed with the leaf opening away from the furnace, as decided by the sponsor of the test. Note that the fire door may behave differently depending on which side is exposed to fire. A door closer was installed on the active leaf. The door closer had an average door closing force of 105.84N. A door handle and lock cylinder were installed on the active leaf of the doorset. The latch had a total throw of 11.85mm and engaged at 10.03mm within the latch catch. Flush bolts were installed on the inactive door leaf of the specimen. The top flush bolt throw was 17.95mm and engaged at an average of 13.94mm. The bottom flush bolt throw was 17.80mm and engaged at an average of 13.50mm. The time-temperature curve was controlled using the 9 thermocouples distributed in the furnace. The thermocouples were placed at 100mm from the exposed face of the specimen. The ambient temperature at the start of the test was 35 Degs C. The pressure in the furnace was controlled at 12 Pa at its relative position in the furnace, in accordance with paragraph 3.2.2 of BS 476-20:1987. Deflections and unexposed face temperatures were measured and recorded during the test.	Page 5 of 34 Page 6 of 34

SPECIFICATION OF TEST SPECIMEN	**Door Frame** Material: Galvanised Steel Fabricator: Eagle Steel Industries FZC. Dimensions: 2995 x 2285 x 150mm (h x w jamb depth) Fixing method: The frame was fixed to the supporting construction using anchor bolts of size M10 x 112mm (dia x l) at a distance of 660mm c/c spaced nominally and 152mm from either ends of the vertical jambs and at a distance of 735mm c/c spaced nominally and 723mm from either ends of the horizontal jambs. **Door Leaf** Material: Galvanised Steel Dimensions: Leaf A - 2440 x 1090 x 45mm (h x w x thk) Leaf B – 2440 x 1090 x 45mm (h x w x thk) **Panel** Material: Galvanised Steel Manufacturer: Eagle Steel Industries FZC Dimensions: 436 x 2180 x 45mm (h x w x thk) Fixing method: Manually slid on and fixed onto the panel aperture with the help of the transom channel which was locked to the perimeter support. **Ironmongery** **Hinges** Material: Stainless Steel Manufacturer: EUROART Ref: HINBB433-SSS Dimension: 102 x 76 mm (l x w) Quantity: 8 off Fixing Method: Screwed to the frame and leaf using machine screws at a nominal distance of 674mm c/c nominally and 199 mm from the bottom end and 127mm from the top end. **Mortise Sash Lock** Material: Stainless Steel Manufacturer: EUROART Ref: DLA7255EPSSS Fixing Method: As per manufacturer’s instructions. **Mortise Lock Reinforcement** Material: Mild Steel Manufacturer: Eagle Star Industries FZC Dimension: 57 x 32 x 2.7mm (l x w x thk) Fixing Method: Welded onto the latch stile inner edge of the door leaf. **Lock Cylinder** Material: Satin Nickle Finish Manufacturer: EUROART Ref: CYD270 Fixing Method: As per manufacturer’s instructions. **Door Handle** Material: Stainless Steel Manufacturer: EUROART Ref: LRS101SSS Fixing Method: As per manufacturer’s instructions.	Page 10 of 34 Page 12 of 34 Page 14 of 34 Page 15 of 34 Page 16 of 34

	Overhead Door Closer Material: Stainless Steel Manufacturer: EUROART Ref: DC5024 Fixing Method: As per manufacturer's instructions.	Page 17 of 34
TEST RESULT **(SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)**	**Integrity – 212 minutes Insulation – 10 minutes**	Page 7 of 34
PRODUCT APPLICATION GUIDELINE (END USE) **(CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT____/TO BE CONNECTED WITH____/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.**	The results relate only to the behavior of the specimen of the element of construction under particular conditions of test. They are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they reflect the actual behavior in fires. The test results relate only to the specimen tested. Application of the results to door sets of different dimensions or supported other than by a masonry wall or incorporating different components should be the subject of a design appraisal.	Page 9 of 34

Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	IFC Certification	**NAME OF TEST FACILITY**	Thomas Bell-Wright International Consultants
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	20 Park Street, Princes Risborough, Buckinghamshire. HP27 9AH, UK	**TEST FACILITY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY)	Corner of 46th and 47th streets, Jebel Ali Ind Area 1, P.O.Box 26385 Dubai, U.A.E.
WEBSITE	www.ifccertification.com	**WEBSITE**	http://www.bell-wright.com/
TEL	+44 (0)1844 275500	**TEL**	+971 (0) 4 821 5777
EMAIL	info@ifccertification.com	**EMAIL**	admin@bell-wright.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	UKAS (United Kingdom Accreditation Service)	**ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THELABORATORY, ALONG WITH WEBSITE)	- UKAS Testing Laboratory No. 4439. www.ukas.com - GCC Testing Lab: ATL-0017 www.GCC-accreditation.org
AS PER (STANDARD TO WHICH THE CERTIFICATION BODYIS ACCREDITEDTO)	ISO/IEC 17065	**AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO/IEC 17025
VALIDITY (EXPIRY DATE OF CERTIFICATION BODYACCREDITATION)	N/A	**VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION)	N/A
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	IFCC accreditation No. 0175	**REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	4439 ATL-0017
CERTIFICATION MARK	IFC certification		

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY		**SIGNATURE**	
EMAIL / TEL		**FACTORY OFFICIAL SEAL**	
NOTES: I Undertakethat all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Ian Laithwaite Reviewed by: Ian Woodhouse	**SIGNATURE**	
EMAIL / TEL	Ian.laithwaite@ifcgroup.com	**CERTIFICATION BODY OFFICIAL SEAL**	IFC certification
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS:

COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)