





FIRE RESISTIVE SYSTEMS

TEMPERATURE RISE RESTRICTION RATING (T)



GLAZED SWING PIVOT DOOR

Steelfire STB80 Glazed Swing Pivot Door assembly is the new generation and modern alternative to the traditional hinged system.



FIRE RESISTIVE Compartmentalize smoke and flames and block heat transfer



UL 10C, UL 10B, NFPA 252, ANSI 297.1 & CPSC 16 CFR 1201 (Cat. I or II)

> ot applicable le big sizes of ins pivot door

ATTRIBUTES





















FIRE RATING: 60/90 MIN

KEY FEATURES

- #1 largest (12 feet tall) glazed fire-rated door system in the industry
- Unrivalled aesthetic look (no visible hinges and surface mounted door closers)
- Narrow steel profiles
- Fire rating of 60 90 minutes with required hose stream test
- Thermal break system
- Interior and exterior application
- Single acting swing door

- Door hardware to fit functional requirement (check with Tecfire compatibility) Great durability due to its top-to-end cold rolled steel profiles
- Meets the 450°F (250°C) temperature rise criteria of the unexposed side of the door measured at 30 minutes during the fire test
- Frames can be supplied in either high-performance powder coat finishes or stainless steel with polished or brushed finishes

PIVOT DOOR TYPE	FIRE RATING	MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	FIRE RATED GLASS THK.	MAXIMUM GLASS SIZE
Single Leaf	60 mins	1340mm (52-3/4″)	2508mm (98-3/4")	30 to 31mm (1-1/8" to 1-3/8")	1110mm x 2308mm (43-3/4" x 90-7/8")
	90 mins	1215mm (47-7/8″)	3505mm (138")	48mm (1-7/8″)	1070mm x 3342mm (42-1/8" x 131-5/8")
Double Leaf	60 mins	2570mm (101-1/8″)	2508mm (98-3/4")	30 to 31mm (1-1/8" to 1-3/8")	1110mm x 2308mm (43-3/4" x 90-7/8")
	90 mins	2500mm (98-3/8")	3505mm (138″)	48mm (1-7/8″)	1070mm x 3342mm (42-1/8" x 131-5/8")

Note: Individual Lite sizes cannot exceed the maximum glass sizes shown above. Glasses shown are single glazed. DGU glass thickness varies as it is dependent on the air space and outer pane requirements.

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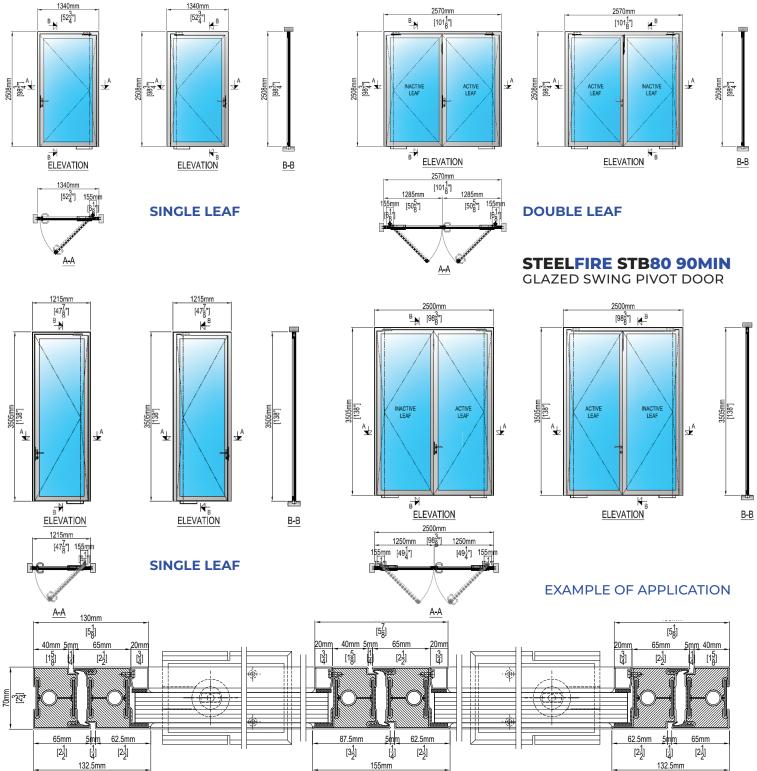
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STEELFIRE STB80 60MIN

GLAZED SWING PIVOT DOOR



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Louvre Museum - Abu Dhabi



FIRE RESISTANCE TEST



HOSE STREAM TEST

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c Intertek

Intertek WH US + C Mark for Category D -

Door/frame Assemblies Standards: CAN / ULC S104:2015 (R2020) UL 10(c) (2016), UL 10(b) (R2015), NFPA 252 (2017)

CERTIFICATE OF COMPLIANCE

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ntertek	Certificate of Compliance		LISTING INFOR	MATION		SpecDirect" 10	wesser intertel		
	You have been awarded:		PRODUCT COVERED	MATION					
(₩)	Intertek WH US + C Mark for Category I Door/frame Assemblies	D-	Tecfire - SteelFire STB80 Door and Frame Assembly - UL 10C						
Intertek	Sandards: CAN /ULC S104-2015 (R0026), UL 10(c) (2016), UL 10(c) (R0015), NPA (2017) Certificate number: WHI23-37726703	.202	PRODUCT DESCRIPTION Category D'Doolframe Assemblies' single-leaf swinging doors or double-leaf swinging doors for installation in openings in steel/wood stud dywall, masony walls or Steel/Pie STB80 Partitions and Curtain Walls for up to and including 30 minute for protection durations. Walls must be of lated fire raide construction.						
a coefficient of compliance to certify that the r has accounting compliated the emerits of the above achiever which include starting of products, the initial assessment, and digited to continue arrunal assessments of compliances and testing of surroless discusses and compliances and testing of surroless discusses and these production, the applicable to the scheme) as been registered within the achieves for the multivalence.	Organization: Tecfire Middle East SL. Pol. Industrial Sector 9, Calle Ventorrillo No. 1 Yuncler, Toledo 45529 Spain		Contraflam Glazing pane other manufacturers. All g	s from Vetrotech Saint-G glazing shall be marked a neeting the impact safety	obain International AG or is certified for the fire-resi requirement of ANSI 297	m AGC Glass Europe S.A similar listed glazing pan stance rating required. Th 1 and CPSC 16CFR1201	es from e glazing		
	Product: Tectire - SteelFire STB80 Door and Frame Assembly 10C Spec1271473 Fire Rating 60 Min PP Category D DoorFinane Assemblies, 30 Min PP Category D	- UL	FIRE RATINGS Tecfire - SteelFire STB80 according to UL 10C - Por	single or double leaf do	or assemblies have been	qualified for the following L 10B – Standard of Fire T			
	DoorFrame Assemblies Listing Information: See following page(s)		Door Assemblies: Ratings	Maximum Single Door	Maximum Double Door	Maximum Glass Size	1		
				Leaf Size (w × h)	Each Leaf Size (w × h)	(w x h)	-		
	Certification body: Intertek Testing Services NA. Inc.		60-Minutes Hinged & Pivot Doors	1220mm x 2440mm	1220mm x 2440mm	1110mm x 2308mm			
	Initial registration: February 28, 2023 Date of expiry: December 31, 2023 Issue status: 1		90-Minutes Hinged Doors with minimum 40mm thick Contraflam 90-4	1185mm x 2435mm	1185mm x 2435mm	1075mm x 2300mm	1		
	Authorized By: Jean-Palippe Kayl, Director of Cartification Intent Testing Society Nu. 40 565 E Approach Ross, Star N. Ankgrow Hoghins, UK 60060 UKA 595 Prince M-14-95607 Fize Bit 74-37208		glazing* 90-Minutes Pivot Doors with multiple-point lockset & minimum 48mm thick Contraflam 90-4 glazing*	1215mm x 3505mm	1215mm x 3505mm	1070mm x 3342mm	-		
	where with by INCIN Testing Review IA. The and the state or ware shade activate the state is a submitted and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	The Cardination In the Classif in 2 then only in its set, ended or	assemblies in the same s The final size shall be de above for the Tecfire door The fully glazed door ass	ize as noted above. The in termined from the maxim r assembly, whichever is a emblies quality for tempe	maximum dimensions abo num size permitted for the smaller. rature rise restriction ratir	ng to UL 10C for use in st ve are Tecfire's limitations glazing or the maximum ng (T) which is defined as measured at 30 minutes d	a for glass. size noted		
Midde East SL 71473 Rev: Feb 28 2	023 11-KSAM Uncontrolled Copy	Page 1 of 3	Tecfire Middle East SL 71473	Rev: Feb 28 2023 11:45AM	I Uncontrolled Copy		Page 2 of		

LISTING

Report prepared for public access on 3/1/2023 1/43/20 AM	SpecDIRECT" rowszaw intertek	Repor	prepared for public acce	iss on 3/1/2023 1:43:20 AM		SpecDirect" 10	verzer intertek
LETING INFORMATION OF Tecfire - SteelFire STB80 Door and Frame 100 BPEC ID: 71473	e Assembly - UL	PRC Tec Cat ope incli The Con othe shal	DUCT DESCRIPTION iggory D 'Door/Frame a ings in steel/wood st iding 90 minute fire p door leaves are glaz- traflam Glazing panes r manufacturers. All g	I Door and Frame Assemi Assemblies" single-leaf s ud drywall, masonry wall rotection durations. Walls ed with Listed 60 or 90 ns s from Vetrotech Saint-G jazing shall be marked a	kly - UL 10C winging doors or double-le or SteelFire STB80 Parti i must be of listed fire rate inute glazing material fro obain International AG or a certified for the fire-resis requirement of ANSI 297.	tions and Curtain Walls for d construction. m AGC Glass Europe S.A similar listed glazing pan stance rating required. Th	r up to and . or es from e glazing
Treatment and an and a second a	mage occasioned by the use of this report. Only the Client is a table or advertisement of the bedred material, product or	FIRM Tec accco Rata 60-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90-0 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 Mini 90 M	ERATINGS Ire - SteelFire STB80 Assembles. rgs Mirutes de & Pivot Doors Mirutes ged Doors Mirutes ged Doors minimum 40mm big Mirutes to Doors Mirutes to Mirutes to Mi	athe Pressue Fire tests (Maximum Single Door Kad Size (ur × h) 1220mm x 2440mm 1185mm x 2443mm 1215mm x 3505mm 1215mm x 3505mm s may be installed provide a sa noble show. The in assembly, whicheve is 1	or assemblies have been of Door Assemblies and UL Maximum Double Door lach Leaf Size (w x h) 1220mm x 2440mm 1185mm x 2443mm 1215mm x 3505mm 1215mm x 3505mm x 3505mm 1215mm x 3505mm x 3505	108 – Skandard of Fire T Maximum Glass Size (vr. h) 1110mm x 2308mm 1075mm x 2308mm 1070mm x 3342mm 1070mm x 3342mm 1070mm x 3342mm g to UL 10C for use in st e are Tecffor's limitation g (T) which is defined as	ests of
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