

Fire-Rated, Safety-Rated Transparent Wall Panel

Fire-Rating: 45-120 Minutes

Fireglass® is a fire-rated and impact safety-rated glazing material that blocks radiant heat, protecting people and valuables on the non-fire side of the glass where radiant heat transfer might be a concern. It is listed for use in doors, sidelites, transoms, borrowed lites and wall applications.

FEATURES

- Fire-rated for up to 120 minutes with required hose stream test
- Impact safety-rated—meets ANSI Z97.1 and CPSC 16 CFR1201 (Cat. I and II)
- Fits in most Fireframes® frame and door systems by TGP
- Available in insulated units with other glass products, including (but not limited to): Tinted; Art Glass; One-Way Mirror; Low-E; Reflective; Security Glass
- Withstands thermal shock
- Large sizes available
- May be lightly sandblasted or etched on one side without affecting fire rating
- 5-year limited warranty
- Protection against radiant and conductive heat transfer
- Comprised of layers of Pilkington Optiwhite™ nearly colorless, wireless, low-iron float glass and clear intumescent interlayers
- Multi-laminate, not a sensitive polymer gel unit
- For use in interior and exterior applications
- Most configurations are available with a translucent interlayer for added obscurity and privacy
- Available with bullet resistance to UL Level III
- Fireglass can be combined with Vision Control® integrated cord-free louvers in a UL-tested fire protection-rated glazing system available directly from Unicel Architectural

LISTINGS/STANDARDS

Classified and labeled by Underwriters Laboratories, Inc.® and Underwriters Laboratories of Canada. File number for labeled fire-rated assemblies is R13377 (45 minutes) and R38725 (60-120 minutes). Tests performed in accordance with:

UL 9	NFPA 80	CAN4 S-104	ASTM E119
UL 10B	NFPA 251	CAN4 S-106	
UL 10C	NFPA 252	CAN/ULC-S101	
UL 263	NFPA 257		



BIM 3D Model Available



UL Classified & Labeled



Fire-Rated



Hose Stream Tested



Impact-Rated



Heat Barrier



Positive Pressure Tested

LABELING

Each piece of Fireglass shall be permanently labeled with the Fireglass logo, UL logo and fire rating.

STORAGE & HANDLING

Fireglass must be handled with care during transportation, storage, inspection and installation. It should be stored in dry conditions, stocked vertically and fully supported in a manner which prevents the glass from sagging. During storage and transportation, the temperature of Fireglass should not exceed 122°F (50°C). Do not expose the “non-PVB” side of the glass to UV light. Do not remove the protective edge tape. See manufacturer’s installation and warranty information for further details.

FAMILY OF PRODUCTS

TGP offers a complete family of products for all your fire-rated glazing needs, ranging from 20 minute to 3 hour applications. More information is available online at fireglass.com, or by calling 800.426.0279.

FireLite®

Fire-rated glass ceramic

FireLite® NT

Fire-rated, impact safety-rated glass ceramic with surface-applied film

FireLite Plus®

Fire-rated, impact safety-rated glass ceramic

FireLite® IGU

Fire-rated or fire/impact safety-rated insulated glass units

Fireglass®

Fire-rated, impact safety-rated transparent wall panels

WireLite®

Fire-rated, wired glass

WireLite® NT

Fire-rated, impact safety-rated wired glass with surface-applied film

Fireframes®

Fire-rated framing & doors for use with all TGP glass products

PRODUCT DATA

INTERIOR USE	FIRE RATING	MANUFACTURER'S DESIGNATION	SUPPLY FORM	NOMINAL THICKNESS	WEIGHT APPROX.	U-VALUE	DAYLIGHT TRANS. APPROX. (%)	STC RATING APPROX. (dB)	ASSEMBLY	MAX. EXPOSED AREA	MAX. WIDTH OF EXPOSED GLAZING	OR	MAX. HEIGHT OF EXPOSED GLAZING
	45 min.	45-200	Single Glazing	3/4" (19 mm)	9.22 lb / ft ² (45.00 kg / m ²)	.86	86	40	OTHER THAN DOORS DOOR	4,500 in ² (2.90 m ²) 3,724 in ² (2.40 m ²)	95-1/4" (2.42 m) 41-5/8" (1.06 m)		95-1/4" (2.42 m) 89-3/4" (2.28 m)
	60 min.	60-101	Single Glazing	7/8" (23 mm)	10.86 lb / ft ² (53.00 kg / m ²)	.83	87	41	OTHER THAN DOORS DOOR	5,616 in ² (3.62 m ²) 3,724 in ² (2.40 m ²)	96" (2.44 m) 41-5/8" (1.06 m)		96" (2.44 m) 89-3/4" (2.28 m)
	60 min.	60-201	Single Glazing	1-1/16" (27 mm)	12.90 lb / ft ² (63.00 kg / m ²)	.83	86	44	OTHER THAN DOORS DOOR	7,442 in ² (4.80 m ²) 3,724 in ² (2.40 m ²)	96" (2.44 m) 41-5/8" (1.06 m)		118-1/8" (3.00 m) 89-3/4" (2.28 m)
	90 min.	90-102	Single Glazing	1-7/16" (37 mm)	17.61 lb / ft ² (86.00 kg / m ²)	.74	84	45	OTHER THAN DOORS DOOR	3,724 in ² (2.40 m ²) 3,724 in ² (2.40 m ²)	96" (2.44 m) 41-5/8" (1.06 m)		96" (2.44 m) 89-3/4" (2.28 m)
	2 hours	120-104	I.G. Units	2-1/8" (54 mm) (with 8 mm spacer, or 2-3/8" (60 mm) with 14 mm spacer)	21.71 lb / ft ² (106.00 kg / m ²)	.44	75	46	OTHER THAN DOORS	3,730 in ² (2.41 m ²)	111" (2.81 m)		111" (2.81 m)
	2 hours	120-106	I.G. Units	2-1/4" (57 mm)	22.94 lb / ft ² (112.00 kg / m ²)	.42	75	46	OTHER THAN DOORS	3,730 in ² (2.41 m ²)	111" (2.81 m)		111" (2.81 m)
	2 hours	120-401	I.G. Units	2-13/16" (72 mm)	30.72 lb / ft ² (150.00 kg / m ²)	.46	73	45	FIREFRAMES CLEARFLOOR® SYSTEM	2,372 in ² (1.53 m ²)	47-1/4" (1.20 m)		50-3/8" (1.28 m)

EXTERIOR USE	FIRE RATING	MANUFACTURER'S DESIGNATION	SUPPLY FORM	NOMINAL THICKNESS	WEIGHT APPROX.	U-VALUE	DAYLIGHT TRANS. APPROX. (%)	STC RATING APPROX. (dB)	ASSEMBLY	MAX. EXPOSED AREA	MAX. WIDTH OF EXPOSED GLAZING	OR	MAX. HEIGHT OF EXPOSED GLAZING
	45 min.	45-200	Single Glazing	3/4" (19 mm)	9.22 lb / ft ² (45.00 kg / m ²)	.86	86	40	OTHER THAN DOORS DOOR	4,500 in ² (2.90 m ²) 3,724 in ² (2.40 m ²)	95-1/4" (2.42 m) 41-5/8" (1.06 m)		95-1/4" (2.42 m) 89-3/4" (2.28 m)
	45 min.	45-260	I.G. Units	1-5/16" (33 mm)	12.29 lb / ft ² (60.00 kg / m ²)	.49	77	40	OTHER THAN DOORS DOOR	4,500 in ² (2.90 m ²) 3,724 in ² (2.40 m ²)	95-1/4" (2.42 m) 41-5/8" (1.06 m)		95-1/4" (2.42 m) 89-3/4" (2.28 m)
	45 min.	45-360*	I.G. Units	1-5/16" (33 mm)	12.29 lb / ft ² (60.00 kg / m ²)	.37-.39	59-71	40	OTHER THAN DOORS DOOR	4,500 in ² (2.90 m ²) 3,724 in ² (2.40 m ²)	95-1/4" (2.42 m) 41-5/8" (1.06 m)		95-1/4" (2.42 m) 89-3/4" (2.28 m)
	60 min.	60-201	Single Glazing	1-1/16" (27 mm)	12.90 lb / ft ² (63.00 kg / m ²)	.83	86	44	OTHER THAN DOORS DOOR	7,442 in ² (4.80 m ²) 3,724 in ² (2.40 m ²)	96" (2.44 m) 41-5/8" (1.06 m)		118-1/8" (3.00 m) 89-3/4" (2.28 m)
	60 min.	60-261	I.G. Units	1-5/8" (41 mm)	15.98 lb / ft ² (78.00 kg / m ²)	.48	77	44	OTHER THAN DOORS DOOR	7,442 in ² (4.80 m ²) 3,724 in ² (2.40 m ²)	96" (2.44 m) 41-5/8" (1.06 m)		118-1/8" (3.00 m) 89-3/4" (2.28 m)
	60 min.	60-361*	I.G. Units	1-5/8" (41 mm)	15.98 lb / ft ² (78.00 kg / m ²)	.37-.39	59-70	44	OTHER THAN DOORS DOOR	7,442 in ² (4.80 m ²) 3,724 in ² (2.40 m ²)	96" (2.44 m) 41-5/8" (1.06 m)		118-1/8" (3.00 m) 89-3/4" (2.28 m)
	90 min.- 2 hrs	120-202	Single Glazing	1-9/16" (40 mm)	18.64 lb / ft ² (91.00 kg / m ²)	.72	86	46	DOOR	3,724 in ² (2.40 m ²)	41-5/8" (1.06 m)		89-3/4" (2.28 m)
	90 min.- 2 hrs	120-262	I.G. Units	2-3/8" (60 mm) (with 14 mm spacer, or 2-1/8" (54 mm) with 8 mm spacer)	21.71 lb / ft ² (106.00 kg / m ²)	.44	74	46	OTHER THAN DOORS	3,730 in ² (2.41 m ²)	111" (2.81 m)		111" (2.81 m)
	90 min.- 2 hrs	120-362*	I.G. Units	2-3/8" (60 mm) (with 14 mm spacer, or 2-1/8" (54 mm) with 8 mm spacer)	21.71 lb / ft ² (106.00 kg / m ²)	.35	33-68	46	OTHER THAN DOORS	3,730 in ² (2.41 m ²)	111" (2.81 m)		111" (2.81 m)

*Performance values vary for exterior I.G. units based on coating and configuration. Some of the available Pilkington hard coatings include Eclipse Advantage, Solar-E™ Solar Control Low-E and Energy Advantage Low-E. Contact TGP for availability and integration of high performance hard and soft coated products.

WHEN PROVIDED PROJECT-SPECIFIC CRITERIA (SUCH AS WIND LOAD, SEISMIC MOVEMENT, STRUCTURAL, AIR/WATER RESISTANCE, ETC.), TGP CAN VERIFY THE INTENDED FENESTRATION CONFIGURATION (GLASS AND FRAMING) WILL PERFORM TO MEET THOSE REQUIREMENTS. FOR APPROVED FRAMING SYSTEMS FOR USE WITH FIREGLASS, VISIT FIREGLASS.COM OR CALL 800.426.0279.