

FIRE-RATED, SAFETY-RATED TRANSPARENT WALL PANEL

Pilkington Pyrostop® 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.



FIRE RATING
45 - 120 MINUTES

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
- 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
- 5-year limited warranty
- 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
- Pilkington Pyrostop can be combined with Vision Control® integrated cord-free louvers in a UL-tested fire protection-rated glazing system available directly from Unicel Architectural

Pilkington Pyrostop sales are a cooperative effort between Technical Glass Products and Pilkington North America.

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	CAN/ULC-S101	ASTM E119	MEA 241-00-M
UL 10B	NFPA 251	CAN/ULC-S104		LARR 25798
UL 10C	NFPA 252	CAN/ULC-S106		
UL 263	NFPA 257			

LABELING

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



BIM 3D Model



Environmental Product Declaration



Fire-Rated



Hose Stream Tested



Heat Barrier



Positive Pressure Tested



Impacted Rated



UL Classified & Labeled



**NORTH AMERICA'S
MOST SPECIFIED**
FIRE-RATED GLASS COMPANY

STORAGE & HANDLING

Pilkington Pyrostop 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 Pilkington Pyrostop 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.

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	MAX. HEIGHT OF EXPOSED GLAZING
											OR	
	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) 4,222 in ² (2.40 m ²)	96" (2.44 m) 41-7/8" (1.06 m)	96" (2.44 m) 100-13/16" (2.56 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) 4,222 in ² (2.40 m ²)	96" (2.44 m) 41-7/8" (1.06 m)	118-1/8" (3.00m) 100-13/16" (2.56 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) 4,222 in ² (2.40 m ²)	96" (2.44 m) 41-7/8" (1.06 m)	96" (2.44 m) 100-13/16" (2.56 m)
	120 min.	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)
	120 min.	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)
	120 min.	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)

NOTE: SIZING PARAMETERS MAY VARY BY DESIRED TGP FRAMING SYSTEM. CONSULT TGP SALES AND THE RESPECTIVE FIREFRAMES® ARCHITECTURAL SPECIFICATION MANUAL FOR DETAILS.

PRODUCT DATA

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	MAX. HEIGHT OF EXPOSED GLAZING
											OR	
	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) 4,222 in ² (2.40 m ²)	96" (2.44 m) 41-7/8" (1.06 m)	118-1/8" (3.00 m) 100-13/16" (2.56 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) 4,222 in ² (2.40 m ²)	96" (2.44 m) 41-7/8" (1.06 m)	118-1/8" (3.00 m) 100-13/16" (2.56 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) 4,222 in ² (2.40 m ²)	96" (2.44 m) 41-7/8" (1.06 m)	118-1/8" (3.00 m) 100-13/16" (2.56 m)
	90 min.- 120 min.	120-202	Single Glazing	1-9/16" (40 mm)	18.64 lb / ft ² (91.00 kg / m ²)	.72	86	46	DOOR	4,222 in ² (2.40 m ²)	41-7/8" (1.06 m)	100-13/16" (2.56 m)
	90 min.- 120 min.	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.- 120 min.	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 PILKINGTON PYROSTOP, VISIT **FIREGLASS.COM** OR CALL **800.426.0279**.

NOTE: SIZING PARAMETERS MAY VARY BY DESIRED TGP FRAMING SYSTEM. CONSULT TGP SALES AND THE RESPECTIVE FIREFRAMES® ARCHITECTURAL SPECIFICATION MANUAL FOR DETAILS.