

## 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 252	CAN/ULC-S104		LARR 25798
UL 10C	NFPA 257	CAN/ULC-S106		
UL 263				

## 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 <sup>2</sup> (45.00 kg / m <sup>2</sup> )	.86	86	40	OTHER THAN DOORS DOOR	4,500 in <sup>2</sup> (2.90 m <sup>2</sup> ) 3,724 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (53.00 kg / m <sup>2</sup> )	.83	87	41	OTHER THAN DOORS DOOR	5,616 in <sup>2</sup> (3.62 m <sup>2</sup> ) 4,222 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (63.00 kg / m <sup>2</sup> )	.83	86	44	OTHER THAN DOORS DOOR	7,442 in <sup>2</sup> (4.80 m <sup>2</sup> ) 4,222 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (86.00 kg / m <sup>2</sup> )	.74	84	45	OTHER THAN DOORS DOOR	3,724 in <sup>2</sup> (2.40 m <sup>2</sup> ) 4,222 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (106.00 kg / m <sup>2</sup> )	.44	75	46	OTHER THAN DOORS	3,730 in <sup>2</sup> (2.41 m <sup>2</sup> )	111" (2.81 m)	111" (2.81 m)
	120 min.	120-106	I.G. Units	2-1/4" (57 mm)	22.94 lb / ft <sup>2</sup> (112.00 kg / m <sup>2</sup> )	.42	75	46	OTHER THAN DOORS	3,730 in <sup>2</sup> (2.41 m <sup>2</sup> )	111" (2.81 m)	111" (2.81 m)
	120 min.	120-401	I.G. Units	2-13/16" (72 mm)	30.72 lb / ft <sup>2</sup> (150.00 kg / m <sup>2</sup> )	.46	73	45	FIREFRAMES CLEARFLOOR® SYSTEM	2,372 in <sup>2</sup> (1.53 m <sup>2</sup> )	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 <sup>2</sup> (45.00 kg / m <sup>2</sup> )	.86	86	40	OTHER THAN DOORS DOOR	4,500 in <sup>2</sup> (2.90 m <sup>2</sup> ) 3,724 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (60.00 kg / m <sup>2</sup> )	.49	77	40	OTHER THAN DOORS DOOR	4,500 in <sup>2</sup> (2.90 m <sup>2</sup> ) 3,724 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (60.00 kg / m <sup>2</sup> )	.37-.39	59-71	40	OTHER THAN DOORS DOOR	4,500 in <sup>2</sup> (2.90 m <sup>2</sup> ) 3,724 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (63.00 kg / m <sup>2</sup> )	.83	86	44	OTHER THAN DOORS DOOR	7,442 in <sup>2</sup> (4.80 m <sup>2</sup> ) 4,222 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (78.00 kg / m <sup>2</sup> )	.48	77	44	OTHER THAN DOORS DOOR	7,442 in <sup>2</sup> (4.80 m <sup>2</sup> ) 4,222 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (78.00 kg / m <sup>2</sup> )	.37-.39	59-70	44	OTHER THAN DOORS DOOR	7,442 in <sup>2</sup> (4.80 m <sup>2</sup> ) 4,222 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (91.00 kg / m <sup>2</sup> )	.72	86	46	DOOR	4,222 in <sup>2</sup> (2.40 m <sup>2</sup> )	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 <sup>2</sup> (106.00 kg / m <sup>2</sup> )	.44	74	46	OTHER THAN DOORS	3,730 in <sup>2</sup> (2.41 m <sup>2</sup> )	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 <sup>2</sup> (106.00 kg / m <sup>2</sup> )	.35	33-68	46	OTHER THAN DOORS	3,730 in <sup>2</sup> (2.41 m <sup>2</sup> )	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.