



FIRE-RATED



HOSE STREAM TESTED



IMPACT-RATED



HEAT BARRIER



POSITIVE PRESSURE TESTED



## FIRE-RATED, SAFETY-RATED GLASS FIRE WALLS

Pilkington Pyrostop® is a fire-rated and impact safety-rated glazing material. Pilkington Pyrostop also 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 with a fire rating of up to 2 hours.

## FEATURES

- Protection against radiant and conductive heat transfer
- Barrier to fire and smoke
- Fire-rated for up to 2 hours **with required hose stream test**
- Impact safety-rated – meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and/or II)
- 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/or exterior applications
- May be lightly sandblasted or etched on one side without affecting fire rating
- Available in insulated units with other glass products including (but not limited to):
  - Tinted
  - Low-E
  - Art Glass
  - Reflective
  - One-way Mirror
  - Security Glass
- Fits in most Fireframes® frame and door systems by TGP
- 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 Unicef Architectural

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

## LISTINGS

Classified and labeled by Underwriters Laboratories, Inc.® File numbers are R16644 (doors and windows) and R16132 (walls). Tests performed in accordance with ASTM E-119, CAN/ULC-S101, ASTM E2074, UL 263, UL 9, UL 10B, UL 10C, CSFM 43.7, NFPA 80, NFPA 251, NFPA 252, NFPA 257, UBC 43.2, UBC 43.4, UBC 7-2, UBC 7-4, CAN4 S-104, CAN4 S-106.

## LABELING

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

## 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 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](http://fireglass.com), or by calling **800.426.0279**.

# Pilkington Pyrostop® PRODUCT DATA

INTERIOR USE	FIRE RATING	MANUFACTURER'S DESIGNATION	SUPPLY FORM	NOMINAL THICKNESS	WEIGHT APPROX. (kg / m <sup>2</sup> )	U-VALUE	DAYLIGHT TRANS. APPROX. (%)	STC RATING APPROX. (dB)	ASSEMBLY	MAX. EXPOSED AREA (m <sup>2</sup> )	MAX. WIDTH OF EXPOSED GLAZING (m)	OR MAX. HEIGHT OF EXPOSED GLAZING (m)
	45 min.	45-200**	Single Glazing	19 mm	44.9	.86	86	40	OTHER THAN DOORS DOOR	2.90 2.40	2.42 1.06	2.42 2.28
	60 min.	60-101	Single Glazing	23 mm	55.2	.83	87	41	OTHER THAN DOORS DOOR	3.61 2.40	2.43 1.06	2.43 2.28
	90 min.	90-102	Single Glazing	37 mm	85.9	.74	84	45	OTHER THAN DOORS DOOR	2.40 2.40	2.81 1.06	2.81 2.28
	2 hours	120-104	I.G. Units	54 mm	105.9	.44	74	46	OTHER THAN DOORS	2.40	2.81	2.81
	2 hours	120-106	I.G. Units	57 mm	112	.42	75	46	OTHER THAN DOORS	2.40	2.81	2.81
	2 hours	120-401	I.G. Units	72 mm	151	.46	73	45	FIREFRAMES CLEARFLOOR® SYSTEM	1.53	1.2	1.28

EXTERIOR USE***	FIRE RATING	MANUFACTURER'S DESIGNATION	SUPPLY FORM	NOMINAL THICKNESS	WEIGHT APPROX. (kg / m <sup>2</sup> )	U-VALUE	DAYLIGHT TRANS. APPROX. (%)	STC RATING APPROX. (dB)	ASSEMBLY	MAX. EXPOSED AREA (m <sup>2</sup> )	MAX. WIDTH OF EXPOSED GLAZING (m)	OR MAX. HEIGHT OF EXPOSED GLAZING (m)
	45 min.	45-200**	Single Glazing	19 mm	44.9	.86	84	40	OTHER THAN DOORS DOOR	2.90 2.40	2.42 1.06	2.42 2.28
	45 min.	45-260	I.G. Units	33 mm	61.0	.49	77	40	OTHER THAN DOORS DOOR	2.90 2.40	2.42 1.06	2.42 2.28
	45 min.	45-360*	I.G. Units	33 mm	61.0	.37-.39	59-71	40	OTHER THAN DOORS DOOR	2.90 2.40	2.42 1.06	2.42 2.28
	60 min.	60-201	Single Glazing	27 mm	61.0	.83	86	44	OTHER THAN DOORS DOOR	3.61 2.40	2.42 1.06	2.43 2.28
	60 min.	60-261	I.G. Units	41 mm	77.1	.48	77	44	OTHER THAN DOORS DOOR	3.61 2.40	2.42 1.06	2.43 2.28
	60 min.	60-361*	I.G. Units	41 mm	77.1	.37-.39	59-70	44	OTHER THAN DOORS DOOR	3.61 2.40	2.42 1.06	2.43 2.28
	90 min.-2 hrs	120-202	Single Glazing	40 mm	95.2	.72	85	46	DOOR	2.40	1.06	2.82
	90 min.-2 hrs	120-262	I.G. Units	54 mm or 60 mm	107.9	.44	74	46	OTHER THAN DOORS	2.40	2.81	2.81
	90 min.-2 hrs	120-362*	I.G. Units	54 mm or 60 mm	107.9	.35	33-68	46	OTHER THAN DOORS	2.40	2.81	2.81

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

\*\*45-200 configuration does not feature Pilkington Optiwhite™ glass.

\*\*\*This product can not be used for exterior applications in the Middle East.

**FOR APPROVED FRAMING SYSTEMS FOR USE WITH PILKINGTON PYROSTOP, VISIT FIREGLASS.COM OR CALL 800.426.0279.**