



GLASS THAT IS FIRE-RATED AND BULLET-RESISTANT



What happens to bullet-resistant glass if there's a fire? Most types of protective glazing are highly flammable, due to their composition. During a fire, they can generate tremendous amounts of flames and smoke that can cause further damage to life and property.

Now there's a better option. Pilkington Pyrostop® fire-resistant glass, with fire ratings up to 2 hours, offers a Level III bullet resistance rating. It can also be combined with other glazing products to achieve nearly any level of security protection.

FEATURES

- Bullet resistance ratings up to UL level III (up to Level VIII available in different make-ups)
- 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)
- Wireless with nearly the same clarity as ordinary float glass
- 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 Fireframes® Heat Barrier Series from TGP
- Multi-laminate, not a sensitive polymer gel unit

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

LISTINGS

Listed with 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, ASTM E2010, UL 263, UL 752, UL 9, UL 10B, UL 10C, CSFM 43.7, NFPA 80, NFPA 251, NFPA 252, NFPA 257, CAN4 S-104, and CAN4 S-106. Approved for use in New York City: MEA 241-00-M. Approved for use in Los Angeles: LARR 25798.

LABELING

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

Pilkington Pyrostop® BULLET-RESISTANT PRODUCT DATA

| UL-752 BULLET RESISTANCE RATING | 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 |
|---------------------------------|-------------|----------------------------|----------------|-------------------|---|---------|-----------------------------|-------------------------|--------------------------|--|---------------------------------------|----|---------------------------------------|
| Level I | 60 min. | 60-201 (with film*) | Single Glazing | 1-1/16" (27 mm) | 12.5 lbs/ ft ² (61.0 kg/m ²) | .83 | 86 | 44 | OTHER THAN DOORS DOOR | 5,616 in ² (3.62 m ²) 3,724 in ² (2.40 m ²) | 96 in (2.44 m) 41-5/8 in (1.06 m) | | 96 in (2.44 m) 89-3/4 in (2.28 m) |
| Level II | 120 min. | 120-202 (with film*) | Single Glazing | 1-9/16" (40 mm) | 19.5 lbs/ ft ² (95.2 kg/m ²) | .72 | 85 | 46 | OTHER THAN DOORS DOOR | 3,724 in ² (2.40 m ²) 3,724 in ² (2.40 m ²) | 111 in (2.81 m) 41-5/8 in (1.06 m) | | 111 in (2.81 m) 89-3/4 in (2.28 m) |
| Level II | 120 min. | 120-201 | I.G. Units | 2-3/16" (56 mm) | 23.5 lbs/ ft ² (114.7 kg/m ²) | .44 | 76 | 46 | OTHER THAN DOORS | 3,724 in ² (2.40 m ²) | 95 in (2.41 m) | | 95 in (2.41 m) |
| Level III | 120 min. | 120-201 (with film*) | I.G. Units | 2-7/16" (62 mm) | 25.8 lbs/ ft ² (126 kg/m ²) | .44 | 73 | 46 | | | | | |

*For filmed products, one dimension of the glass cannot exceed 60" (1.52 m)

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