



TECHNICAL DATA

FROM

Anemostat®

DOOR PRODUCTS

A MESTEK COMPANY

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Pyrostop®

(Fire & Impact/Safety Rated)

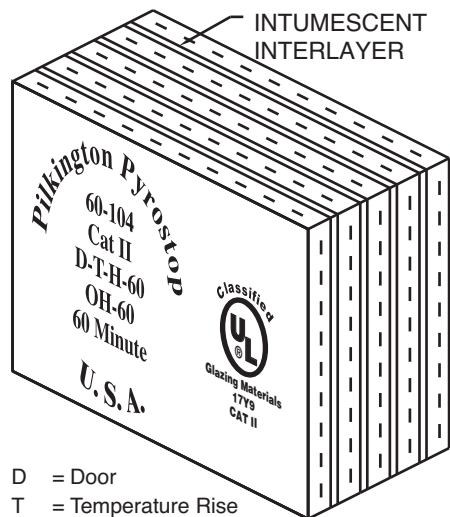


FIRE RATED BY
UNDERWRITERS'
LABORATORIES



CATEGORY II IMPACT/SAFETY RATED
ANSI Z97.1 2004 U A

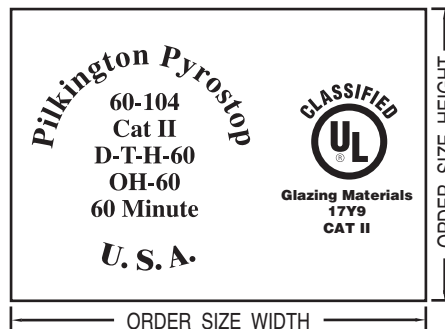
DETAIL DRAWING



INTUMESCENT
INTERLAYER

AVAILABLE THICKNESSES

- 3/4" (19mm)
- 7/8" (23mm)
- 1-1/16" (27mm)
- 1-5/16" (33mm)
- 1-7/16" (37mm)
- 1-9/16" (40mm)
- 1-5/8" (41mm)
- 2-1/8" (54mm)
- 2-3/16" (56mm)
- 2-3/8" (60mm)
- 2-7/16" (62mm)



- D = Door
 - T = Temperature Rise
 - H = HOSE STREAM Tested
 - OH = Opening (Window, Sidelite or Transom)
- ±8% Tolerance

STANDARD PRODUCT FEATURES

- **MATERIAL:** Manufactured using multiple layers of float glass laminated with transparent intumescent interlayers.
- **INSTALLATION:** Pyrostop shall be glazed vertically into approved fire-rated framing with hard-wood setting blocks located at the quarter points for proper support of the glass. Glaze with closed cell PVC (GT-116 supplied loose) tape or silicone wet seal. Exterior grade Pyrostop shall be glazed with the PVB layer toward the exterior of the building. Setting blocks to be furnished by installer. Openings must be plumb and square. Allow a minimum clearance of 3/16" (5mm) on each edge. Before installation, inspect each piece of Pyrostop and eliminate any glass with observable edge damage or face imperfections. Check for clearance around the edges, and adjust setting blocks as needed. Do not remove protective edge tape. Do not pressure glaze.
- **CLASSIFICATION MARKING:** Each piece of Pyrostop shall be permanently labeled with the appropriate marking.
- **ADDITIONAL PRODUCT FEATURES:** Pilkington Pyrostop is a fire-rated and impact/safety-rated glazing material. Pilkington Pyrostop also blocks heat, protecting people and valuables on the non-fire side of the glass where 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.

IMPACT / SAFETY RATINGS

- Meets ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)

SOUND RATINGS with LoPro-STC

- **LoPro-STC with Pyrostop 60-101 7/8" (23mm):*** STC - 41
 - **TESTED SIZE:** 24" X 36" CUTOUT / ASSEMBLY
 - **TESTED IN ACCORDANCE WITH:** ASTM E90-09 and ASTM E2235-04. STC measurements determined in accordance with ASTM E413-04. Testing conducted at Western Electro - Acoustic Laboratory, Santa Clarita, CA.
- * Fire Rated - see Glazing Section for ratings and maximum allowable sizes

FIRE RATINGS (with U.L. classification markings) Positive Pressure

- Listed with Underwriters Laboratories, File numbers 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 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. Approved for use in New York City; MEA 241-00-M. Approved for use in Los Angeles; LARR 25798.

DOORS - Approved Listing

- **45/60/90 MINUTES:** at 3724 sq. in. (2.403 m²) visible lite. max. width 41-5/8" (1058mm), or max height 89-3/4" (2280mm)
 - 3/4" (19mm) - 45 min. / 40 dB -STC (45-200)
 - *7/8" (23mm) - 60 min. / 41 dB -STC (60-101) - with **LoPro-STC**
 - 1-1/16" (27mm) - 60 min. / 44 dB -STC / *Level 1 -Bullet Resistance*[†] (60-201)
 - 1-5/16" (33mm) - 45 min / 40 dB -STC (45-260)-IGU
 - *1-7/16" (37mm) - 90 min. / 45 dB -STC (90-102)
 - 1-9/16" (40mm) -120 min. / 46 dB -STC / *Level II -Bullet Resistance*[†] (120-202)
 - 1-5/8" (41mm) - 60 min. / 44 dB -STC (60-261)-IGU

TRANSOMS and WALLS - Approved Listing

- **45 MINUTES:** at 4500 sq. in.(2.903m²) max width 95-1/4" (2419mm), or max height 95-1/4" (2419mm)
 - 3/4" (19mm) - 40 dB -STC (45-200)
 - 1-5/16" (33mm) - 40 dB -STC (45-260)-IGU
- **60 MINUTES:** at 5605 sq. in.(3.615m²), max width 96" (2438mm), or max height 96" (2438mm)
 - *7/8" (23mm) - 41 dB -STC (60-101)
 - 1-1/16" (27mm) - 44 dB -STC, *Level 1 -Bullet Resistance*[†] (60-201)
 - 1-5/8" (41mm) - 44 dB -STC, (60-261)-IGU
- **120 MINUTES:** at 3724 sq. in. (2.403m²), max width 111" (2819mm), or max height 111" (2819mm)
 - 1-9/16" (40mm) - 46 dB -STC, *Level II -Bullet Resistance*[†] (120-202)
 - 2-1/8" (54mm) - 46 dB -STC, Int. (120-104)-IGU, Ext. (120-262)-IGU
 - 2-3/8" (60mm) - 46 dB -STC (120-262)-IGU
- **120 MINUTES:** at 3724 sq. in. (2.403m²), max width 95" (2413mm), or max height 95"(2413mm)
 - 2-3/16" (56mm) - 46 dB -STC, *Level II - Bullet Resistance* (120-201)-IGU
 - 2-7/16" (62mm) - 46 dB -STC, *Level III - Bullet Resistance*[†] (120-201)-IGU

* Interior use only. All other sizes may be used in both interior and exterior applications

[†]Bullet Resistance (with film) must be specified on order.

- Available up to Level VIII Bullet Resistance in different IGU Make-ups - Consult factory

- **IMPORTANT:** Interpretation of building and fire codes may vary. Consult with the local authority having jurisdiction in your area, to determine appropriate standards.

Job Name & Location	Submitted by