

# PYROSWISS 45 LOW IRON

## Fire-Rated Clear Tempered Safety Glass

### CLASSIFICATION



#### Fire-Protective

This glass product can withstand fire exposure to the non-fire side and protects from flames, smoke and hot gases.



#### Impact safety

Impact safety rated to meet the highest human impact safety ratings.



#### Hose stream tested

This product has passed the hose stream test.

### AVAILABLE OPTIONS



+ Impact Safety



+ Coloring  
 + Shapes  
 + Texture



+ Extra clear



+ Tinting

Contact us for a personalized solution to meet your product requirements.

### TECHNICAL SPECIFICATIONS

#### Fire rating

45 Minutes

Listings/Approvals

UL 9/10B/10C; CAN/ULC S104, S106; NFPA 80, 252, 257

Building code markings

OH-45

Impact Safety Rating

CPSC 16CFR 1201-CAT II; CAN/C6SB - 12.1-M

Application Conditions

Interior

#### Product

Pyroswiss 45

Nominal thickness

3/4 in. (19 mm)

Groove Depth

5/8 in.

Groove Width

1 in.

Edge Cover

1/2 in.

Weight

9.73 lbs. /sq. ft.

STC/OITC rating (ASTM E 413/E 1332)

38/33

Visible light transmittance (NFRC 200)

91%

Light reflection pL ext./int (CIE)

8.1%

Sidelite/Window/Transom (W x H; A)\*

95-1/2 in. x 95-1/2 in; 3,414 sq. in.

\*Height multiplied by width cannot exceed maximum exposed area.

[vetrotech.com](http://vetrotech.com)

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Product characteristics are subject to change without notice and may vary depending on manufacturing size and composition. Available options are dependent on product type and application. Contact your Vetrotech representative for further support.



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Edge Cover

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Weight

9.73 lbs. /sq. ft.

STC/OITC rating (ASTM E 413/E 1332)

38/33

Visible light transmittance (NFRC 200)

83

Light reflection pL ext./int (CIE)

8.1%

Sidelite/Window/Transom (W x H; A)\*

95-1/2 in. x 95-1/2 in; 3,414 sq. in.

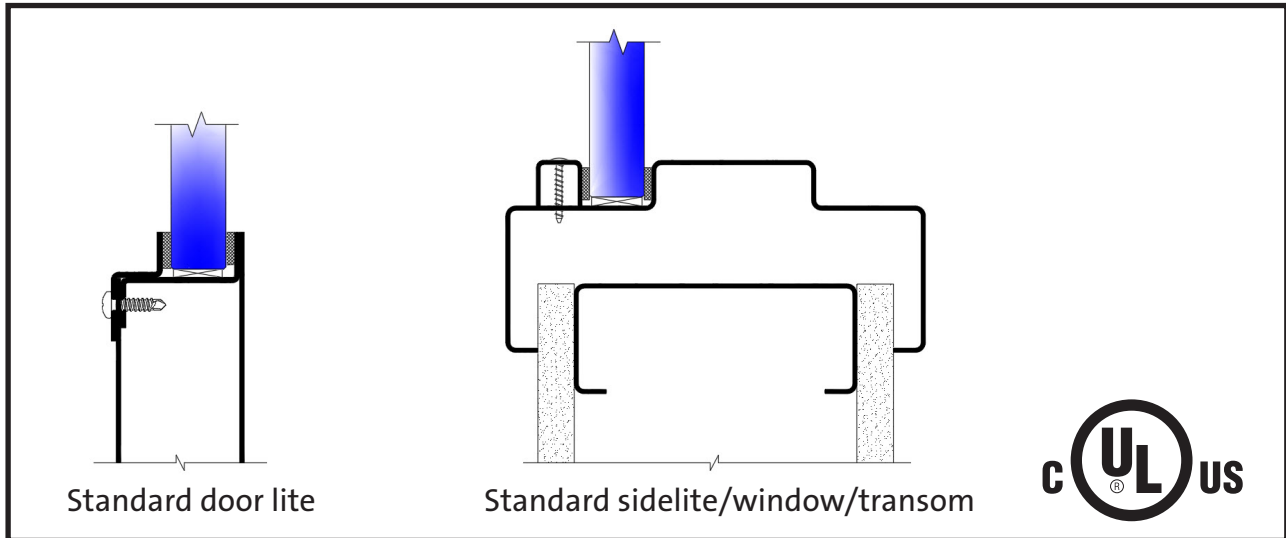
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### Description

PYROSWISS 45 fire-rated glazing material for use in fire-rated doors; and window, transom and sidelite assemblies.

### General Characteristics

Thickness: 3/4" (19mm)

Weight: 9.3 lbs. sq. ft.

Impact Safety Rating: ANSI Z97.1 and CPSC 16 CFR 1201 (Cat I & II)

### Listing / Labeling

Listed and labeled by Underwriters Laboratories (UL) and tested in accordance with the following test standards: UBC 7-2 & 7-4, UL 9 & 10c, NFPA 252 & 257, CAN/ULC S104 & CAN/ULC S106. Each piece of PYROSWISS 45 shall be labeled in accordance with the Vetrotech Saint-Gobain/UL identifying mark.

### Installation

PYROSWISS 45 should be installed only into listed fire-rated frame assemblies with hardwood or calcium silicate setting blocks and Kerafix ceramic tape or closed-cell PVC tape. In addition, both tapes can be used in conjunction with cosmetic silicone sealant. Check that the opening is plumb and square. Carefully inspect glass edges before installation. Superficial chips smaller than 5/32" (4mm) are acceptable, wider chips or deep chips (with V profile) are not acceptable and should not be installed. Place setting blocks (3" min) at sill, located at quarter points. Do not block the lite so as to restrict movement due to thermal expansion, direct glass to perimeter frame contact should be strictly avoided. Check perimeter clearance and adjust setting blocks as needed. Be sure to check the individual door or frame fire-rated listings for product-specific installation instructions.

PYROSWISS 45 is an engineered specialty tempered glazing material with its primary function being that of fire resistance integrity. Certain optical and visual faults are inherent to the manufacturing process, which may be evaluated according to the manufacturing quality standards. These characteristics do not generally impair the transparency or affect the performance of the glass in case of fire; and therefore, should not be considered cause for rejection or replacement.

### Storage and Handling

PYROSWISS 45 should be handled with care during transportation, storage, inspection, and installation. Store in a dry place.