

SCHOTT PYRAN® STAR



STANDARD

PRODUCT INFORMATION

Description

PYRAN® Star fire-rated glazing material is made from a transparent glass-ceramic with a thickness of 3/16". It is intended for use in non-impact, safety-rated locations such as transoms and windows with fire-rating requirements up to 90 minutes.



General Characteristics

- Thickness: 3/16" (5mm)
- Weight: 2.5 lbs./sq. ft.
- Approximate visible light transmission: 87 percent
- Surface finish: Standard with a slight texture
- Maximum sheet sizes: Approximately 43" x 77"
- Impact rating: None (For applications requiring an impact-rated material SCHOTT offers PYRAN® Star F, PYRAN® Star L and PYRAN® Crystal F products.)

Features

- Fire-rated up to 90 minutes with hose stream test
- Glass-ceramic
- Transparent and wireless
- Withstands thermal shock
- Suited for use with standard fire-rated frames with the same rating
- Conforms to positive pressure test standards

Listings

Rating	Location	Max. exposed area of glazing - In. ²	Max. width of exposed glazing - In.	Max. height of exposed glazing - In.	Min. depth of groove - In.
up to 90 min.	Doors temp rise	100	12	33	5/8
up to 90 min.	Doors non-temp rise	2,736 (19.00 ft. ²)	36	76	5/8
up to 90 min.	Transom lites, sidelites, windows	3,202 (22.24 ft. ²)	76	76	5/8

Classified and labeled by Underwriters Laboratories, Inc. for the United States and Canada with File-No. R22036. All fire tests performed in accordance with UL 9, UL 10B, UL 10C, UBC 7-2(1997), UBC 7-4 (1997), NFPA 252, NFPA 257, ASTM E2010-01, ASTM E2074, ULC CAN4-S104, and ULC CAN4-S106.

Note: This product is not considered a barrier to radiant heat and has not met the ASTM E-119 or UL 263 test standards.

All listing information is subject to change. The current listing can be accessed in the UL directory under file #R22036 or upon request from SCHOTT.

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Labeling

After cutting, each lite of PYRAN® Star fire-protective glass shall be permanently labeled according to code requirements with product and manufacturer's name, UL Mark, fire rating, etc.

Storage & Handling

PYRAN® Star fire-protective glass should be handled with care during transportation, storage, inspection, and installation. It should be stored in dry conditions only and needs to be stacked upright or at a slight angle. In addition, the panels must be separated by an appropriate material, such as soft pads made of cork and the bottom edge must be supported along its entire length.

Installation

PYRAN® Star shall only be installed into fire-rated frame and window assemblies carrying the same rating. Each PYRAN® Star panel should be inspected carefully before installation, and any pieces with visible edge or surface damage should be sorted out. All glazing components and the stop height must be chosen according to the PYRAN® Star UL classification. The panel must be placed on calcium silicate or hardwood setting blocks and glazed using PYRAN® Star classified glazing tape, such as closed cell PVC, Fiberfrax tape or Pemko FG3000S90. The installation of the framed unit must comply with the frame supplier's instructions.

PYRAN® Star is a specially developed glass-ceramic, that fulfills the fire-protective rating requirements. The production process may create certain optical imperfections, such as bubbles or knots. Since these do not generally impair the transparency or the technical performance of the glass-ceramic, they do not represent cause for rejection or replacement.

PYRAN® is a registered trademark of SCHOTT AG, Mainz, Germany

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Maintenance & Care

To maintain the aesthetics, it is important to keep the panel clean. A soft, clean, non-abrasive cloth and a mild soap, detergent, or non-abrasive window cleaning solution is suitable for cleaning. After cleaning, rinse immediately with clean water and remove any excess water from the panel surface. Also, do not allow any metal or hard parts of the cleaning equipment to come in contact with the panel surface.

Notes

Failure to comply with any of the Labeling, Storage & Handling, Installation, and/or Maintenance & Care guidelines may result in a loss of warranty.

A complete three-part CSI format specification list and product warranty information are both available at www.us.schott.com/pyran or by calling (502)-657-4417.

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