

# SCHOTT PYRAN® STAR F



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## PRODUCT INFORMATION

### Description

PYRAN® Star F is a fire-rated and impact safety-rated glazing material made from a transparent glass-ceramic with a thickness of 3/16". It has a surface applied 3M Scotchshield\* Ultra Film and is intended for use in safety-rated locations such as door lites, transoms or sidelites, 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: 85 percent
- Surface finish: Standard with a slight texture
- Maximum sheet sizes: Approximately 43" x 77"
- Impact rating: ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)

### Features

- Fire-rated up to 90 minutes with hose stream test
- Glass-ceramic with surface applied 3M Scotchshield\* Ultra Film
- 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. <sup>2</sup>	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. <sup>2</sup> )	36	76	5/8
up to 90 min.	Transom lites, sidelites, windows	3,202 (22.24 ft. <sup>2</sup> )	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 rating can be accessed in the UL directory under file #R22036 or upon request from SCHOTT.

\*3M Scotchshield is a trademark of the 3M Corporation

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### Labeling

After cutting, each lite of PYRAN® Star F 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 F 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 acid-free tissue paper, and the bottom edge must be supported along its entire length.

### Installation

PYRAN® Star F shall only be installed into fire-rated frame and window assemblies carrying the same rating. Each 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 F UL classification. The panel must be placed on calcium silicate or hardwood setting blocks and glazed using PYRAN® Star F 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 F 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](http://www.us.schott.com/pyran) or by calling (502)-657-4417.

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 glass made of ideas