



TRI  STAR

G L A S S P R O D U C T S

New Product Announcement

Tristar Glass is now the exclusive provider of Schott PYRAN® Platinum Fire- and Safety-Rated Glass-Ceramics for Arkansas, Oklahoma, and Texas. Tristar is giving our select network of glaziers immediate access to cutting-edge, UL-certified, fire-rated glass in 3 options: monolithic, filmed, and laminated. Outlined in this brochure are the reasons Schott's PYRAN® Platinum fire- and safety-rated glass-ceramics are the best choice for your fire-protective glazing project.

- Clearest Glass-Ceramic available – no yellow or orange tint
- No wires means no danger and no unsightly lines
- In-Stock and Ready-To-Go; no more long lead times and cross-country freight and boxing fees
- UL certified and passes required hose stream test
- PYRAN® Platinum F and L pass ANSI Z97.1 and CPCS 16CFR1201 (Cat I and II) impact testing and are approved for hazardous areas
- Cradle-to-cradle (C2C) Silver Certified meaning good for the environment and qualifies for LEED credits
- Can be used to construct insulated glazing units

Simplified Ordering Process

By answering a few basic questions your Tristar Glass sales representative will have all the necessary information to quote your fire-rated glass project:

1. Determine glass quantities and sizes
2. Determine if any of the glass is in a door or side-lite application, or if it can be annealed
3. Determine the appropriate fire rating requirement



PYRAN® Platinum Glass Options

By stocking all three of Schott's PYRAN® Platinum glass products, Tristar gives you the flexibility to find the right fire-rated glass type that adequately meets the required fire standards of your project while minimizing the impact to your wallet. Below is a short outline of the three available products and their most common uses.

Monolithic

PYRAN® Platinum monolithic fire-protection rated glazing material is 3/16" (5mm) thick and weighs 2.5 lbs/ft². It is intended for use in non-impact, non-safety-rated locations such as transoms and windows with fire-rating requirements up to 90 minutes.

- Maximum sheet sizes: Approximately 43" x 77"
- Impact rating: None

Filmed

PYRAN® Platinum F fire-protection rated and impact safety-rated glazing material is 3/16" (5mm) thick and weighs just 2.5 lbs/ft². It has a surface applied safety 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 (180 minutes in doors).

- Maximum Sheet size: Approximately 43"x77".
- Impact rating: ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)

Laminated

PYRAN® Platinum L fire-protection rated and impact safety-rated glazing material is 3/8" (9mm) thick and weighs just 4.0 lbs/ft². It 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 (180 minutes in doors).

- Maximum Sheet size: Approximately 43"x77".
- Impact rating: ANSI Z97.1 and CPSC 16CFR1201 (Cat. I and II)
- STC Rating: Approximately 36 dB

MONOLITHIC

FILMED

LAMINATED

BENEFITS

Acquaint Yourself

with some of PYRAN® Platinum's benefits and learn first hand why Schott's fire rated glass products are the best in the world.

In Stock and Ready-to-Go

Our ready-to-go stock of PYRAN® Platinum fire-rated glass means no more long lead-times and cross-country freight fees. Get the glass you want, when you need it delivered on the same trucks you see every day.



Clearly Defined Safety

Schott PYRAN® Platinum fire-rated glass-ceramic products represent the next generation of glass-ceramic technology, offering stunning optical quality, superior clarity, and virtually no distortion. Through recent advancements in micro-float technology, Schott has been able to eliminate the unsightly yellow and orange tints associated with other fire-rated glass and no longer require corrective polishing or grinding to achieve superb optical quality. All this helps to maximize natural lighting and views, eliminating compromises in spaces that otherwise would have sacrificed form for function.



Wireless

The 2006 International Building Code (IBC) no longer permits the use of wired glass in hazardous locations in all facility types. PYRAN® Platinum F and L fire-rated glass-ceramic products provide glaziers with a wire-free, impact safety glazing that passes both the ANSI Z97.1 and the CPSC 16CFR1201 (Cat. I and II) and is approved for use in hazardous locations. Choose PYRAN® Platinum, a superior fire-rated product, and avoid unsightly lines and the ever-growing negative stigma surrounding wired glass.

Earn LEED Credits and Help the Environment

PYRAN® Platinum is the only fire-rated glass-ceramic that is made without the use of hazardous heavy metals such as antimony, arsenic, and barium. It is also the only glass-ceramic to receive a Cradle-to-Cradle silver level certification from the MBDC and qualify as one of the EPA's Environmentally Preferable Products (EPP), potentially earning a project up to 5 LEED certification points.



CERTIFICATION

	Rating (Min.)	Location	Max Exposed area of glazing (in. ²)	Max width of exposed glazing (in.)	Max height of exposed glazing (in.)	Min depth of glazing channel	Impact Safety Rated
PYRAN® Platinum Monolithic	Up to 90	Other than Doors	3422 (23.7 ft ²)	76	76	5/8"	No
PYRAN® Platinum F Filmed	Up to 90	Doors Non-Temp Rise	2736 (19 ft ²)	36	76	5/8"	Yes
	Up to 180	Doors Temp Rise and Non-Temp Rise	100 (.69 ft ²)	12	33	1/2"	Yes
	up to 90	Other than Doors	3422 (23.7 ft ²)	76	76	5/8"	Yes
PYRAN® Platinum L Laminated	Up to 90	Doors Non-Temp Rise	2736 (19 ft ²)	36	75	5/8"	Yes
	Up to 180	Doors Temp Rise and Non-Temp Rise	100 (.69 ft ²)	12	33	1/2"	Yes
	up to 90	Other than Doors	3143 (21.8 ft ²)	75	75	5/8"	Yes

UL Certified

PYRAN® Platinum fire- and safety-rated glass-ceramics are Classified and labeled by Underwriters Laboratories, Inc. for the United States and Canada with File-No. R22036. All fire tests were performed in accordance with UL 9, UL 10B, UL 10C, UBC 7-2 (1997), UBC 7-4 (1997), NFPA 252, NFPA 257, NFPA 80, ASTM E 2010-01, ASTM E2074-00, ULC CAN4-S104, and ULC CAN4-S106

The Hose Stream Test and The Ability to Withstand Thermal Shock

The hose stream test is a mandatory procedure required by The National Fire Protection Association (NFPA). Their standards for Window and Glass Block Assemblies state, “the hose stream test provides a method for evaluating the integrity of constructions and assemblies and for eliminating inadequate materials or constructions. The cooling, impact, and erosion effects of the hose stream provide important tests of the integrity of the specimen being evaluated.”

The hose stream test is conducted by spraying 30psi water from a fire hose onto the glass while the glass and the framing system are still hot. The thermal shock created on the system during this test must not cause the glass to fail and, in turn, allow fire and smoke to spread.



TRI STAR
FIRE RATED GLASS

GLAZING GUIDE

Storage and Handling

PYRAN® Platinum fire- and safety-rated glass-ceramics should be handled with care during transportation, storage, inspection, and installation. It should be stored in dry conditions only and must be stacked upright or at a slight angle. In addition, an appropriate material, such as soft pads made of cork (Platinum and Laminated) or acid free tissue paper (filmed), must separate the panels and the bottom edge must be supported along its entire length.



Installation

PYRAN® Platinum products 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® Platinum product classification. The panel must be placed on calcium silicate or hardwood setting blocks and glazed using PYRAN® Platinum classified glazing tape, such as closed cell PVC, Fiberfrax tape or Pemko FG3000590. The installation of the framed unit must comply with the frame supplier's instructions.

PYRAN® Platinum products are specially developed glass-ceramics, which fulfill the fire protection 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.



Maintenance and Care

To maintain the aesthetics, it is important to keep the panel clean. A soft, 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.



WARRANTY

INDIVIDUAL PRODUCT WARRANTIES

MONOLITHIC

FILMED

LAMINATED

PYRAN® Platinum Glass-Ceramic Limited 5-Year Warranty

SCHOTT North America, Inc. (“SCHOTT”) warrants that, at the time of purchase from SCHOTT, the PYRAN® Platinum glass-ceramic (the “Product”) will conform to SCHOTT’s then current Product specifications. This warranty is only made to and is limited to the original purchaser of the Product from SCHOTT (“Purchaser”).

No warranty claim is valid under this warranty unless the warranty claim is made within thirty (30) days of the date of purchase.

PYRAN® Platinum F Glass-Ceramic Limited 3-Year Warranty

SCHOTT North America, Inc. (“SCHOTT”) warrants that, at the time of purchase from SCHOTT, the PYRAN® Platinum F glass-ceramic (the “Product”) will conform to SCHOTT’s then current Product specifications. SCHOTT also warrants that for a period of three (3) years from the date of original purchase from SCHOTT (the “Warranty Period”), the Product will maintain adhesion without crazing, delaminating, or peeling. These warranties are only made to and are limited to the original purchaser of the Product from SCHOTT (“Purchaser”).

No warranty claim is valid under this warranty unless the warranty claim is made within thirty (30) days of either A) the failure of the Product to maintain adhesion without crazing, delaminating, or peeling or B) the date of purchase, if the claim is that the Product does not conform to SCHOTT’s specifications.

PYRAN® Platinum L Glass-Ceramic Limited 5-Year Warranty

SCHOTT North America, Inc. (“SCHOTT”) warrants that, at the time of purchase from SCHOTT, the PYRAN® Platinum L glass-ceramic (the “Product”) will conform to SCHOTT’s current Product specifications applicable to the Product at the time of purchase. SCHOTT also warrants that, for a period of five (5) years from the date of the original purchase from SCHOTT (the “Warranty Period”), the Product will be free from manufacturing defects that cause significant visual disruption through the glass area, delamination, or material changes to the properties of the interlayer. These warranties are only made to and are limited to the original purchaser of the Product from SCHOTT (“Purchaser”).

No warranty claim is valid under this warranty unless the warranty claim is made within thirty (30) days of either A) the occurrence of significant visual disruption through the glass area, delamination, or material changes to the properties of the interlayer of the Product or B) the date of purchase, if the claim is that the Product does not conform to SCHOTT’s specifications.

Please Visit www.tristarglass.com for a complete listing of warranty terms and conditions.

TRISTAR



CALL TODAY FOR A FREE QUOTE

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