



# FLAMESHIELD SCHOTT PYRAN® Star

## DESCRIPTION

SCHOTT PYRAN® Star is a high quality floated glass ceramic for fire resistant glazing. As a UL-certified glass ceramic PYRAN® Star meets the highest US standards for fire-resistance. This requires that the glass withstands thermal shock immediately following exposure to extremely high temperature. In the test, the hot glass is blasted with cold water at a very high pressure from a fire hose. PYRAN® Star offers fire protection up to 90 min in windows and 180 min in doors. The composition of PYRAN® Star is stable and is not sensitive to exposure to UV light rays or heat. The glass ceramic is also available as filmed (PYRAN® Star F) and laminated (PYRAN® Star L) to meet impact requirements.

FG brings you this industry-leading fire-resistant glass under our FLAMESHIELD banner. With FG, you get the advantage of super-quick delivery time (typically under a week), as the glass is processed locally. Not just that, our expert team is on standby to provide you comprehensive support on the complete glazing solution.

## PRODUCT FAMILY

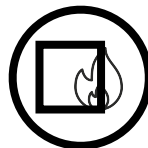
1. FLAMESHIELD SCHOTT PYRAN® Star: Monolithic fire-rated glass
2. FLAMESHIELD SCHOTT PYRAN® Star F: Monolithic fire-rated glass with film applied
3. FLAMESHIELD SCHOTT PYRAN® Star L: Laminated fire-rated glass

## UNIQUE SELLING POINTS



### 180 MINUTES

Up to 180 minutes fire-protection



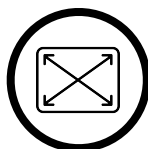
### 100% TRANSPARENCY

Remains transparent in fire conditions



### DURABILITY

Unlimited life and fire-performance warranty



### LARGE GLASS SIZE

Maximum sheet size 1100 mm X 1954 mm



### FAST SERVICE

Same week delivery time



### HOSE STREAM TESTED

Entire range is hose-stream tested as per UL norms



your favourite  
glass

# TECHNICAL DATA SHEET

FLAMESHIELD SCHOTT PYRAN® Star (FGTDS/FR-04)

## GENERAL CHARACTERISTICS

FIRE RATING (MINS)	LOCATION	MAX. EXPOSED GLAZING AREA	MAX. EXPOSED GLAZING WIDTH	MAX. EXPOSED GLAZING HEIGHT	MIN. GLAZING CHANNEL DEPTH
<b>FLAMESHIELD SCHOTT PYRAN® Star (5 MM), PYRAN® Star F (5MM) and PYRAN® Star L (9 MM)</b>					
Up to 90	Other than doors	2.06 m <sup>2</sup>	1930 mm	1930 mm	15.9 mm
Up to 90	Doors (temp rise)	0.06 m <sup>2</sup>	304 mm	838 mm	15.9 mm
Up to 90	Doors (non-temp rise)	1.77 m <sup>2</sup>	914 mm	1930 mm	15.9 mm

### APPLIES TO FLAMESHIELD SCHOTT PYRAN® Star L ONLY

Up to 180	Doors (non-temp rise and temp rise)	0.06 m <sup>2</sup>	304 mm	304 mm	12.7 mm
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Appearance: Transparent, wireless (87% light transmission)

Additional Process Capability: Can be slightly sand-blasted

Edge Type: Super polished

## LABELING

Each piece of FLAMESHIELD SCHOTT PYRAN® Star shall be permanently labeled according to local building code requirements with product and manufacturer's name, UL certification mark, fire rating, etc.

## LISTINGS

1. Underwriters Laboratories, Inc. for the United States and Canada: File No. R22036
2. All fire tests performed in accordance with UL9, UL10B, UL10C, UBC7-2 (1997), UBC7-4 (1997), NFPA252, NFPA257, NFPA80, ASTM E2010-01, ASTM E2074-00, ULCCAN4-S104 and ULCCAN4-S106.
3. Warrington Fire Bodycote: Assessment Report Number 186096

## STORAGE

FLAMESHIELD SCHOTT PYRAN® Star should be stored vertically in a covered, dry area, unexposed to rain and dust. Each sheet or piece of FLAMESHIELD SCHOTT PYRAN® Star should be separated with the help of non-adhesive transferring cork/rubber pads. Prolonged storage without separation or with paper separation may result in permanent and irreversible damage to the glass surface.



Classified and labeled by Underwriters Laboratories, Inc.® and Underwriters Laboratories of Canada. Test report number for labeled fire-rated assemblies is UL File No. R22036. All above tests performed in accordance with UL 9, UL 10B, UL 10C, UBC 7-2 (1997), UBC 7-4 (1997), NFPA 257, NFPA 80, ASTM E2010-01, ASTM E2074-00, ULCCAN4 S-104 and ULCCAN4 S-106. 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.