

TECHNICAL DATA SHEET

SCHOTT PYRAN® Star (FGTDS-FR-17)



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.

TECHNICAL SPECIFICATIONS

	Fire Rating (mins)	Thick-ness	Location	Max. Exposed Glazing Area	Max. Exposed Glazing Width	Max. Exposed Glazing Height	Min. Glazing Channel Depth	Impact Safety Rated*
PYRAN® Star	Up to 90	5 mm	Other than doors	2.20 m ²	915 mm	1930 mm	21 mm	No
	Up to 90	5 mm	Doors (non-temp rise)	1.77 m ²	915 mm	1930 mm	16 mm	Yes
PYRAN® Star F (Filmed)	Up to 180	5 mm	Doors (non-temp rise and temp rise)	0.06 m ²	305 mm	838 mm	13 mm	Yes
	Up to 90	5 mm	Other than doors	2.20 m ²	1930 mm	1930 mm	21 mm	Yes
	Up to 90	9 mm	Doors (non-temp rise)	2.20 m ²	915 mm	1905 mm	16 mm	Yes
PYRAN® Star L (Laminated)	Up to 180	9 mm	Doors (non-temp rise and temp rise)	2.20 m ²	305 mm	838 mm	13 mm	Yes
	Up to 90	9 mm	Other than doors	2.20 m ²	1905 mm	1905 mm	16 mm	Yes

*according to ANSI Z 97.1 and CPSC 16 CFR 1201 (Cat. I and II)

PYRAN® Star products are classified and labeled by Underwriters Laboratories, Inc. for the United States and Canada with File No. R22036. 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.

UNIQUE SELLING POINTS

Description	Levels
1. Remains transparent in fire conditions.	2. Up to 180 minutes fire-resistance.
3. World's clearest glass ceramic with no amber tint.	4. Super smooth and polished surface.
5. Unlimited life and fire-performance warranty.	6. Ability to withstand hose-stream test.
7. World's only C2C certified glass ceramic.	8. Made in Germany and customized in India.