



### TECHNICAL DATA SHEET SCHOTT PYRAN® S

A global leader in the fire-resistant glass arena, **PYRAN® S** is a pre-stressed, monolithic, borosilicate single-pane safety glass in accordance with EN 13024-1. Manufactured in a patented micro-float facility in Germany, **PYRAN® S** is far superior to traditional fire resistant glasses. As a component in fire-resistant glazing that meets the requirements of resistance classes E 30, E 60, E 90 and E 120, it has proven its outstanding optical and mechanical characteristics over the years in a wide spectrum of buildings and applications. **PYRAN® S** as single pane safety glass meets all requirements for improved safety, in conformance with Indian and international building codes. In the event of breakage it displays a typical toughened glass breakage i.e. into small fragments and meets the requirements of statutory accident insurance as well as the Health and Safety at Work Act, thus providing an added plus in terms of safety and reliability.

#### TECHNICAL SPECIFICATIONS

Description	6 MM	8 MM	10 MM	12 MM
Fire Resistance Class	E 30 to 120	E 30 to 120	E 30 to 120	E 30 to 120
Weight	13.70 kg/m <sup>2</sup>	18.20 kg/m <sup>2</sup>	22.80 kg/m <sup>2</sup>	27.40 kg/m <sup>2</sup>
Light Transmission	92%	92%	91%	91%v
U Value	5.80 W/m <sup>2</sup> K	5.80 W/m <sup>2</sup> K	5.80 W/m <sup>2</sup> K	5.80 W/m <sup>2</sup> K
Sound Insulation	31 dB	32 dB	33 dB	34 dB
Impact Rating*	1C1	1C1	1C1	1C1
Product Enhancement	Can be converted to insulated glass and laminated glass**			
Additional Process Compatibility	Ceramic-frit, digitecture™ digital printing, sand-blasting, holes, cutouts and notches**			
Edge Types	Rough grind, super polished			

\* according to EN12600

#### DIMENSIONS

Description	Fire Rating	Fire Rating	Fire Rating	Fire Rating
Maximum Size	30 minutes	3180 mm	3180 mm	5.96 m <sup>2</sup>
	60 minutes	2875 mm	2875 mm	4.08 m <sup>2</sup>
	60 minutes	3250 mm	1766 mm	3.12 m <sup>2</sup>
	90 minutes	2875 mm	2576 mm	4.03 m <sup>2</sup>
	120 minutes	2520 mm	1878 mm	3.53 m <sup>2</sup>

Minimum size possible is 200 mm X 300 mm

#### UNIQUE SELLING POINTS

Description	Levels
1. Fully Toughened	2. 100% Transparency
	3. Durability
4. Chemical Resistance	5. Zero NiS Crystal
	6. Reusability