



FLAMESHIELD SCHOTT PYRAN® S

DESCRIPTION

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 a 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.

FG brings you this bespoke 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® S: Monolithic, toughened borosilicate fire-rated glass
2. FLAMESHIELD SCHOTT PYRAN® S DECOR: Digital/screen printed or etched toughened, borosilicate fire-rated glass
3. FLAMESHIELD SCHOTT PYRAN® S COMBI: Insulated and/or laminated fire-rated glass assemblies

GENERAL CHARACTERISTICS

FEATURE	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 ²	18.20 kg/m ²	22.80 kg/m ²	27.40 kg/m ²
Light Transmission	92%	92%	91%	91%
U-Value	5.80 W/m ² K	5.80 W/m ² K	5.80 W/m ² K	5.80 W/m ² K
Sound Insulation	31 dB	32 dB	33 dB	34 dB
Impact Rating*	1C1	1C1	1C1	1C1
Product Enhancement	Can be converted to CLIMACOOOL (insulated glass) and LAMISECURE (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

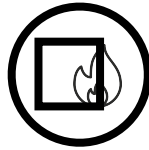
** Insulation, lamination, holes, notches and cutouts may affect the fire-rating. Please consult with our team while specifying.

UNIQUE SELLING POINTS



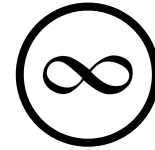
FULLY TOUGHENED

Conforms to all safety standards and building codes



100% TRANSPARENCY

Remains transparent in fire conditions



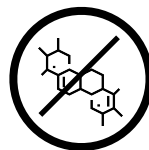
DURABILITY

Unlimited life and fire-performance warranty



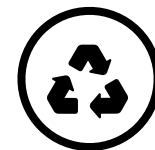
CHEMICAL RESISTANCE

High chemical resistance makes it ideal for chemical and oil facilities



ZERO NiS CRYSTALS

Special chemical composition eliminates possibility of spontaneous breakage



REUSABILITY

Can be reused post minor fires

DIMENSIONS

	FIRE RATING	MAX HEIGHT	MAX WIDTH	MAX AREA
Maximum Size	30 minutes	3180 mm	3180 mm	5.96 m ²
	60 minutes	2875 mm	2875 mm	4.08 m ²
	60 minutes	3250 mm	1766 mm	3.12 m ²
	90 minutes	2875 mm	2576 mm	4.03 m ²
	120 minutes	2520 mm	1878 mm	3.53 m ²

Minimum size possible is 200 mm X 300 mm

LABELLING

Each piece of FLAMESHIELD SCHOTT PYRAN® S shall be permanently labeled with the FG logo, SCHOTT logo and relevant standard description. In cases where the glass is made under a specific listing, the same shall be incorporated in the label. Order-specific labeling is also possible, under certain terms and conditions.

STANDARDS

FLAMESHIELD SCHOTT PYRAN® S is manufactured as per EN 13024-1: 2000.

LISTINGS

1. Warrington Certifire: Certificate of Approval Number CF291
2. Warrington Certifire: Supplement to Certification CF291 - Supplement Number 381176
3. Wintech UKAS: Certificate Number R1052/05/934/Rev 1

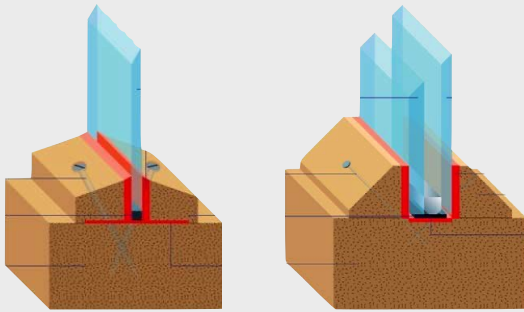


STORAGE

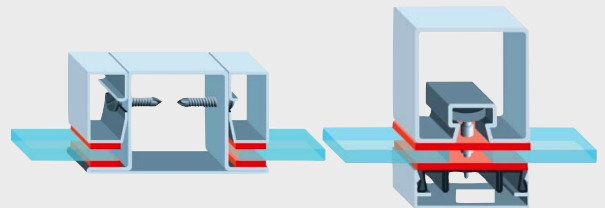
FLAMESHIELD SCHOTT PYRAN® S requires storage in a covered, dry area, unexposed to rain and dust. Each sheet or piece of FLAMESHIELD SCHOTT PYRAN® S should be separated with the help of non-adhesive transferring cork/rubber pads. Prolonged storage without separation or with paper separation may result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

GLAZING SYSTEMS

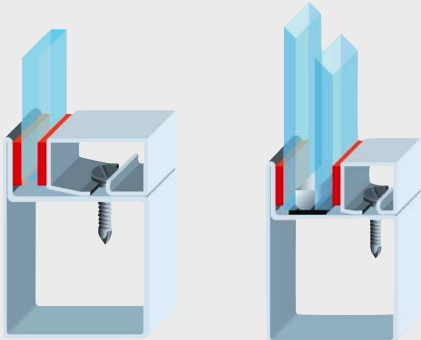
**WOODEN FIXED SCREENS
FIRE RATING UP TO 60 MINUTES**



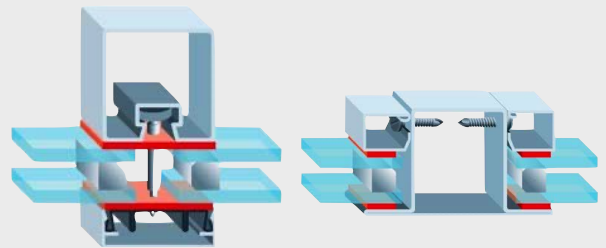
**STEEL FIXED SCREENS
FIRE RATING UP TO 120 MINUTES**



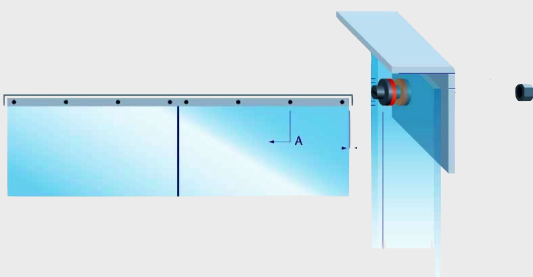
**STEEL DOOR LEAVES
FIRE RATING UP TO 120 MINUTES**



**STEEL FIXED SCREENS - INSULATED GLASS
FIRE RATING UP TO 120 MINUTES**



**SMOKE SCREENS
FIRE RATING UP TO 60 MINUTES**



**BUTT JOINT SYSTEM
FIRE RATING UP TO 60 MINUTES**

