



FLAMESHIELD SCHOTT PYRAN® Fusion

DESCRIPTION

SCHOTT PYRAN® Fusion is a new-age and multi-functional fire-resistant glass designed to meet the requirement of partial insulation and full radiation control up to 120 minutes. PYRAN® Fusion satisfies the new partial insulation norms laid down by the Indian National Building Code 2016 for exit doors and also conforms to the Delhi Schedule of Rates (DSR 2016) glazed fire-rated glass requirements. These glasses are interlayered and are rated for 120 minutes integrity and radiation control (EW 120) and minimum 20 minutes insulation (EI 20). Their bespoke construction type and incorporation of the most advanced technologies and glass type makes them suitable for use in large sizes with extremely thin constructions. Constructed with special glass from SCHOTT, PYRAN® Fusion can provide the required fire-performance with thinner glass constructions and in large glass size formats than the competition.

FG brings you this bespoke fire-resistant glass under our FLAMESHIELD banner. With FG, you get the advantage of super-quick delivery time 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® Fusion: Interlayered, heat-treated fire-rated glass
2. FLAMESHIELD SCHOTT PYRAN® Fusion COMBI: Insulated and/or multi-laminated fire-rated glass assemblies

GENERAL CHARACTERISTICS

FEATURE	11 MM	14 MM
Glazing Type	Ultra-clear, heat-treated, interlayered and non-wired	
E (Integrity)	Minimum 120 minutes	
EW (Radiation Control)	120 minutes	
EI (Insulation)	Minimum 20 minutes	
Light Transmission	89%	88%
Weight	23 kg/m ²	26 kg/m ²
U Value	5.20 W/m ² K	5.20 W/m ² K
Sound Insulation	37 dB	39 dB
Impact Rating*	1B1	1B1
Additional Process Compatibility	Ceramic-frit, digitecture™ digital printing, sand-blasting, acid-etching	

* according to EN12600

UNIQUE SELLING POINTS



HIGH TRANSPARENCY

Industry leading transparency levels



FAST SERVICE

Local processing ensures quick
delivery times



LIGHT WEIGHT

Lesser comparable weight ideal
for door applications

DIMENSIONS

FEATURE	DESCRIPTION
Minimum Size	200 mm X 300 mm
Maximum Size (11 mm)	1100 mm X 2600 mm or 2.86 m ²
Maximum Size (14 mm)	1702 mm X 3473 mm or 5.91 m ²

LABELLING

Each piece of FLAMESHIELD SCHOTT PYRAN® Fusion 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.

LISTINGS

1. Applus Laboratories: Classification Report Number 19/19201-681-1
2. MPA Braunschweig: Classification Report Number K-2101/669/19-MPA BS

STORAGE

FLAMESHIELD SCHOTT PYRAN® Fusion requires storage in a covered, dry area, unexposed to rain, dust and to temperatures over 50 °C. Each sheet or piece of FLAMESHIELD SCHOTT PYRAN® Fusion 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

