

TECHNICAL DATA SHEET

SCHOTT PYRANOVA® (FGTDS-FR-18)



PYRANOVA® special glass from SCHOTT, Germany is a clear, laminated composite glass that is made up of several thin panes of float glass. A transparent, fire resistant layer that foams up in the event of a fire has been placed between the panes. When used in fire resistant glazing, PYRANOVA® special glass prevents the passage of fire, smoke and heat radiation. Due to its structure, the standard construction of PYRANOVA® special glass provides protection from either side. When used as a component in fire-resistant glazing, PYRANOVA® meets the requirements of fire resistance classes EI 15 to EI 120. For fire barriers, it meets the requirements of T 30 to T 90.

TECHNICAL SPECIFICATIONS

PYRANOVA® FOR INTERNAL USE

Thickness	7 mm	11 mm	15 mm	19 mm	23 mm	37 mm	52 mm
Fire Resistance Class	EW 30	EI15 / EW 30	EI 30	EI 45	EI 60	EI 90	EI 120
Weight	17 kg/m ²	26 kg/m ²	35 kg/m ²	44 kg/m ²	55 kg/m ²	86 kg/m ²	108 kg/m ²
Light Transmission	89%	87%	86%	85%	84%	84%	74%
U Value	5.6 W/m ² K	5.4 W/m ² K	5.1 W/m ² K	5.0 W/m ² K	4.8 W/m ² K	4.2 W/m ² K	2.5 W/m ² K
Sound Insulation	33 dB	36 dB	38 dB	38 dB	41 dB	44 dB	44 dB
Impact Rating*	-	-	1B1	1B1	1B1	1B1	1B1

PYRANOVA® FOR INTERNAL USE

Thickness	10 mm	14 mm	19 mm	19 mm	27 mm	40 mm	54 mm
Fire Resistance Class	EI15 / EW 30	EI 20 / EW 30	EI 30	EI 45/ EW 60	Ei 60	Ei 90	Ei 120
Weight	24 kg/m ²	32 kg/m ²	44 kg/m ²	44 kg/m ²	61 kg/m ²	93 kg/m ²	116 kg/m ²
Light Transmission	87%	86%	86%	85%	83%	83%	74%
U Value	5.4 W/m ² K	5.2 W/m ² K	5.0 W/m ² K	5.0 W/m ² K	4.7 W/m ² K	4.1 W/m ² K	2.5 W/m ² K
Sound Insulation	36 dB	38 dB	38 dB	38 dB	41 dB	44 dB	44 dB
Impact Rating*	-	1B1	1B1	1B1	1B1	1B1	1B1

* according to EN12600

UNIQUE SELLING POINTS

Description	Levels
1. 120 minute comprehensive fire-protection.	2. Can be combined with high-performance glasses.
3. Enduring transparency and stability.	4. Excellent for both fire and sound protection.
5. Satisfies the highest criteria of impact safety.	6. Made in Germany and customized in India.