

PYRAN® S

Technical Data Sheet

Special borosilicate glass:

PYRAN® S, fire resistance classes E 30 to 120, EW 30 to 60

Other versions:

PYRAN® white, highest transmission, fire resistance class E 30

ISO PYRAN® S, insulating glass, fire resistance classes E 30 to 120

PYRAN® G, curved glass, fire resistance class E 30

PYRAN® S

Thickness	5 mm	6 mm	8 mm	10 mm	12 mm
Fire resistance class	E 30–60	E 30–120	E 30–120	E 30–120	E 30–120
Weight	11.4 kg/m ²	13.7 kg/m ²	18.2 kg/m ²	22.8 kg/m ²	27.4 kg/m ²
Light transmission	92 %	92 %	92 %	91 %	91 %
Ug value	5.8 W/m ² K	5.8 W/m ² K	5.8 W/m ² K	5.8 W/m ² K	5.8 W/m ² K
Sound insulation value	30 dB	31 dB	32 dB	33 dB	34 dB
Impact rating (according to EN12600)	1C2	1C1	1C1	1C1	1C1

Maximum glass dimensions of PYRAN® depends on the system that has been approved. This information can be found in the testing certificates and approvals.

Fire resistance classes (acc. DIN EN 13501)

- E** Physical barrier
- EI** Physical barrier against flames, hot gases and smoke, as well as thermal isolation
- EW** Physical barrier against flames, hot gases and smoke and reduces heat radiation

The number following the letter combination shows the minimum duration of resistance in minutes. In other words, E 60 refers to a barrier to fire for a period of at least 60 minutes.

PYRANOVA®

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Compact laminated composite glass:

PYRANOVA® fire resistance classes EI 15 to 120, EW 30 to 60

Other versions:

ISO PYRANOVA® insulating glass, fire resistance classes EI 15 to 60

PYRANOVA® for internal use

Thickness	7 mm	11 mm	15 mm	19 mm	23 mm	37 mm	52 mm
Fire resistance class	EW 30	EI 15/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%	87%	84%	74%
Ug 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 value	33 dB	36 dB	38 dB	38 dB	41 dB	44 dB	44 dB
Impact rating (according to EN 12600)	-	-	1B1	1B1	1B1	1B1	1B1

PYRANOVA® for external use (glass structure with laminated safety glass on the outside)

Thickness	10 mm	14 mm	19 mm	19 mm	27 mm	40 mm	54 mm
Fire resistance class	EI 15/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%	83%	85%	86%	83%	74%
Ug 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 value	36 dB	38 dB	38 dB	38 dB	41 dB	44 dB	44 dB
Impact rating (according to EN 12600)	-	1B1	1B1	1B1	1B1	1B1	1B1

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