



TECHNICAL DATA SHEET SCHOTT PYRANOVA®

SCHOTT PYRANOVA® (type S3) 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® S3** special glass prevents the passage of fire, smoke and heat radiation. Due to its structure, the standard construction of **PYRANOVA® S3** special glass provides protection from either side. When used as a component in fire-resistant glazing, **PYRANOVA® S3** 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

| Description | 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 60 | EI 120 |
| Weight | 17 kg/m ² | 26 kg/m ² | 35 kg/m ² | 44 kg/m ² | 55 kg/m ² | 55 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 | 4.8 W/m ² K | 2.5 W/m ² K |
| Sound Insulation | 33 dB | 36 dB | 38 dB | 38 dB | 41 dB | 41 dB | 44 dB |
| Impact Rating* | - | - | 1B1 | 1B1 | 1B1 | 1B1 | 1B1 |

* according to EN12600

DIMENSIONS

| Description | Fire Rating | Fire Rating | Fire Rating | Fire Rating |
|--------------|-------------|-------------|-------------|---------------------|
| 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

UNIQUE SELLING POINTS

| Description | Levels |
|-----------------------------|----------------------|
| 1. Comprehensive Insulation | 2. Impact Protection |
| | 3. Sound Control |