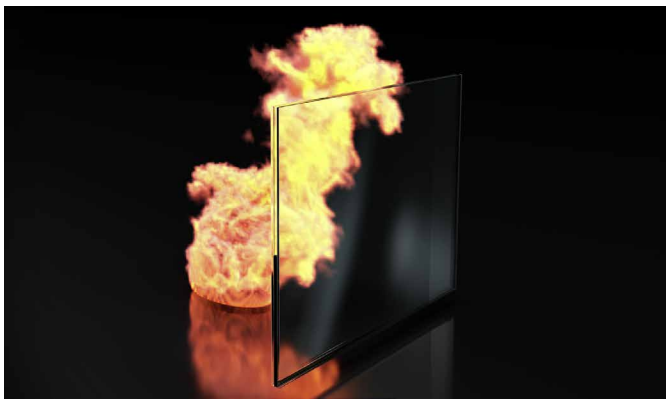


PYRAN® Fusion

The smart fusion of specialty glass with heat radiation control

In order to meet the high requirements for modern fire protection glazing, PYRAN® Fusion combines the excellent glass properties of SCHOTT specialty float glasses with a gel layer that foams up in the event of fire. The specialty glass used ensures long fire resistance periods and makes PYRAN® Fusion a premium product on the market for fire protection glazing. PYRAN® Fusion – custom-designed to satisfy the latest fire glazing requirements is tested in accordance with EN standard EN 1364 and fulfils the function of integrity, thermal insulation and radiation in accordance with clause 5 of the standard EN 13501-2.

These glasses are interlayered and rated for 180 minutes integrity (E 180), 120 minutes radiation control (EW 120) and 20 minutes insulation (EI 20). The bespoke construction of PYRAN® Fusion, incorporating the most advanced technology and glass type leads to thinner and lighter glasses.



General Characteristics

- High transparency
- UV-stable
- Less in weight
- Multifunctional
- 180 minute comprehensive fire-protection
- Satisfies the highest criteria of impact safety

PYRAN® Fusion – laminated specialty glass for fire resistance glazing

Areas of Applications

SCHOTT Technical Glass Solutions in cooperation with system partners develop designs with PYRAN® Fusion that are ideally suited and approved for doors and partitions. Transparent fire rated glazing allows daylight to flow freely from room to room, but in the event of a fire, they ensure protection to essential escape routes.

The insulation property in the initial phase of fire ensures safe evacuation of people. For fires of longer duration, the reduction of heat radiation cuts down the temperature and prevents the self-ignition of materials in the protected room or corridor. Finally, long-term integrity performance protects the structure of the building, safely allowing firefighters to extinguish the fire.

Product overview	
Thickness:	11 mm
Glazing type:	ultra clear, heat treated, interlayered and non-wired
E (Integrity):	180 minutes
EW (Radiation control):	120 minutes
EI (Insulation):	20 minutes
Weight:	≥ 23 Kg/m ²
Light transmission:	89 %
U-Value:	5.2 W/m ² K
Sound insulation:	37 dB
Impact rating*:	1B1

*according to EN12600



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glass made of ideas