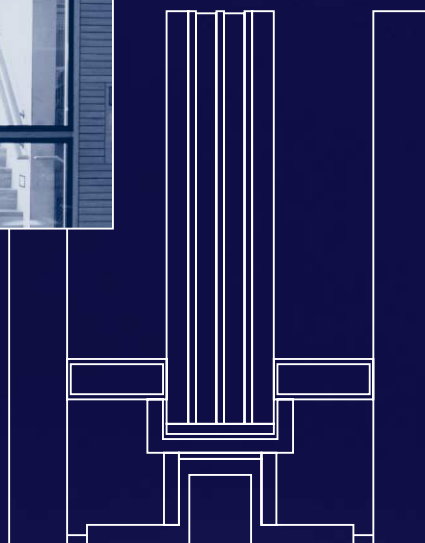




# SCHOTT PYRANOVA<sup>®</sup> Planline System



Flush fire resistant glazing  
for integrity & insulation





# SCHOTT PYRANOVA®



## System description

The SCHOTT PYRANOVA® Planline system offers fire resistance in a sophisticated design. The system provides flush glazing that can be integrated within proprietary frames.

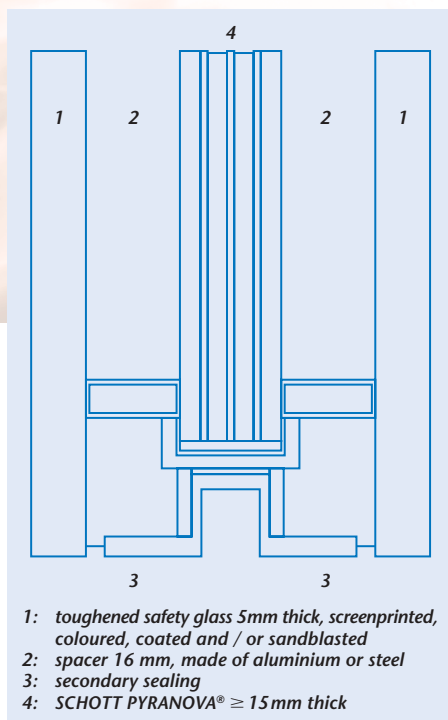
Extremely small profiles combined with large areas of glass are features characterising this system. The SCHOTT PYRANOVA® Planline system has been successfully tested in timber and steel constructions, offering integrity and insulation for up to 30 minutes. The construction can also be provided as a frameless butt joint system, which eliminates obtrusive mullions.



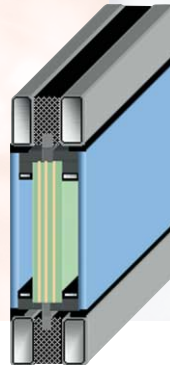
## Description of applicable glass products

The SCHOTT PYRANOVA® Planline system is based on a fire resistant double glazed unit construction, consisting of two external toughened safety glasses providing a flush appearance and a central PYRANOVA sheet. The outer toughened safety glasses may be treated with screen printing, coating and/or sandblasting to achieve creative designs.

### Glass compound



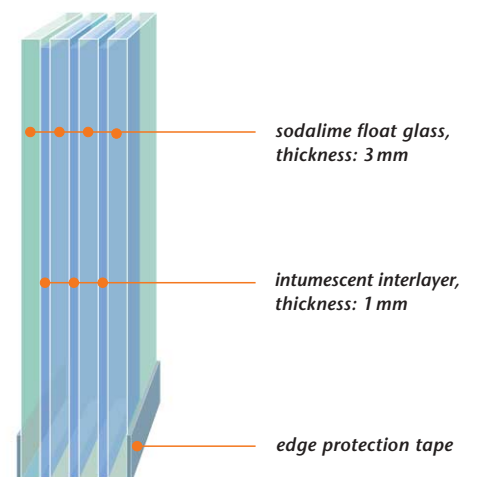
### Glass compound



## SCHOTT PYRANOVA® product description

SCHOTT PYRANOVA® is a clear multi-laminated glass for fire resistant glazing, combining integrity and insulation performance. SCHOTT PYRANOVA® is produced from several panes of float glass, separated by clear intumescent interlayers. When exposed to fire the first float glass sheet breaks, the intumescent interlayer foams up and turns opaque, forming a barrier, reducing the heat radiation. This sequence will continue as time elapses with subsequent glasses breaking and intumescent interlayers reacting. After 30 minutes in fire test conditions PYRANOVA's structure remains sufficiently intact to meet the criteria of integrity and insulation specified in the standards.

Construction type,  
 e.g. PYRANOVA® 30 S2.0



## Applications

The SCHOTT PYRANOVA® Planline system allows the creation of exclusive partitions and single-/or double-leaf doors with an unlimited range of applications for

- schools,
  - office buildings,
  - sports stadia,
  - hospitals,
  - administration and exhibition areas
- as well as all other places with stringent safety requirements.

The Planline system incorporates SCHOTT PYRANOVA®, a safety glass which complies with National and European Regulations. Planline has also been successfully fire tested to EN 1634-1 for 30 minutes integrity and insulation.



## Technical details

### Planline F30-System with SCHOTT PYRANOVA®

Product	PYRANOVA S2.0
Thickness	63 mm*
Min. dimensions	400 mm x 400 mm
Max. dimensions	1500 mm x 2880 mm
Printed border	approx. 33 mm
Frame material	timber, steel or as frameless butt joint glazing

\* depending on construction type



## The SCHOTT PYRANOVA® Planline system offers:

- Flush construction integrated into the frame
- Fire resistance for integrity & insulation up to 30 minutes
- Butt joint glazing without vertical mullions between the glass panes
- Partition wall construction with or without doors
- Individual design options using screenprinting, coating or sandblasting
- Printed border – Colours from the RAL-range
- Outstanding sound reduction of > 50dB
- Timber and steel profiles

## Our competence is your safety

SCHOTT is an international technology-driven company whose core product is specialist glass.

SCHOTT JENAer GLAS GmbH in Germany is certified to ISO 9001.

Both the product and the production process are supervised by internal quality control systems and by external authorities.

SCHOTT and its partners have developed approved systems, which can be adapted to specific building designs. Each approved system is supported by large scale testing by official test authorities

Samples of the product are regularly tested by the authorities within the scope of building regulations.

All panes carry a permanent mark which contains a company stamp and the type and thickness of glass.



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