

# PYROSWISS® STRUCTURE

## Fire resistant safety glass for interior application

### CLASSIFICATION

**E** = Integrity

Ability to withstand fire exposure without transmission of fire to the non-fire side as a result of the passage of flames or hot gases, thereby causing ignition of the non-fire exposed surface or materials adjacent.

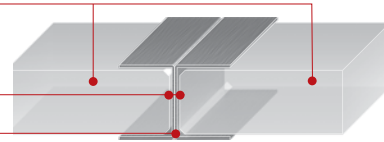
### PRODUCT FEATURES

PYROSWISS® 12 mm

"Kerafix" silicone sealant

Steel H-profile

two steel U-sections 10,5 x 14,0 x 0,5 mm  
welded back to back by spot welding  $\leq 150$  mm



### DESCRIPTION AND PRODUCT ADVANTAGES

PYROSWISS® 12 mm glazed into a steel Jansen Economy 50 perimeter frame with an H-profile is a fully tested system a special frame solution with a maximum transparency. The result is a look reminiscent of slim profile-fixed structural glazing and ease of installation.

The main benefits are:

- An esthetical and very economical "flush-glazed" solution
- Excellent flatness and optical quality
- Thin and light construction
- High strength tempered safety glass
- Completely UV- and temperature stable
- easy installation

### TECHNICAL SPECIFICATIONS

#### Fire resistance (EN 13501-2)

**E 30**

Reaction to Fire (EN 13501-1)

A1 (glass only)

Fire Testing Report

Test Report IFCI/543 in accordance with EN 1364-1

Testing Authority

International Fire Consultants Ltd, Buckinghamshire, England HP27 9AH

Tested Frame

Jansen Economy 50 steel perimeter frame with an H-profile

Tested Glass

PYROSWISS® 12 mm

Maximum Glass Size (l x h)

1200 x 2850 x 12 mm nominal glass size

#### Performance of the glass

**12 mm**

Thickness tolerance

$\pm 0.3$  mm

Length tolerance

$\pm 2$  mm

Impact resistance (EN 12600)

1 (C) 1 classification

CE certificate No. of conformity

0336-CPR-5064F/ID No.\* (you can obtain a DoP\*\* from your national sales office) - AoC-level 1

Hazardous matters contained

None

Weight

30 kg/m<sup>2</sup>

Sound reduction Rw (EN 140-3)

37 db

Light transmission (EN 140-3)

87%

Light reflection  $\rho_L$  (exterior/interior)

8%/8%

U value, W/m<sup>2</sup>K (EN 673)

5,5

g value

0,77

Energy transmission  $\tau_E$

72%

Energy reflection  $\rho_L$

7%/7%

\* ID No. = Identification number for the relevant manufacturing site

\*\* Declaration of Performances

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## CLASSIFICATION

PYROSWISS® STRUCTURE is a fire resistant glass partition system mainly consisting of glass.

The fire resistant safety glass panes are installed in slim steel "H Profiles" to form transparent endless light screen walls.

The E30 system features a very thin and simple profile front in the butt joint area, resembling a „flush glazing“ system. Easy assembly allows for the fast installation of complete, room-high light screen walls with reliable fire resistance properties.

The application of silicone in the „H Profile“ improves the acoustic properties of the glazing and simplifies the installation.

The frame profile around the edges consists of JANSEN ECONOMY steel stop profiles, for example.

