Smokeguard

F LEXIBLE
I NDEPENDENT
R ESPONSIVE
S PECIFIC
T ECHNICAL
FIRST IN FIRE GLASS

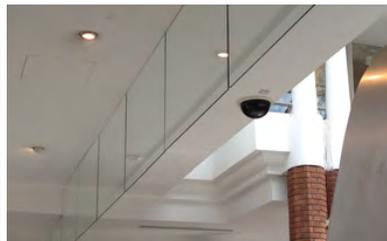## Fire glass solutions combining safety and beautiful design

Smokescreens

Smokeguard

Smokeguard is a glass smoke barrier solution which can help to direct smoke as part of a smoke control system and keep toxic fumes at bay long enough to allow members of the public to exit the building safely, minimising the risk of smoke inhalation, injury and death.

Rigorously tested against rapidly increasing temperatures in accordance with British and European safety standards BS 7346 and EN 12101-1, Smokeguard controls the movement of smoke and is certified for 30 minute applications. It is ideal for use as a passive safety solution for large public spaces such as shopping centres, museums and transport hubs.

Benefits of Smokeguard include:

▶ **Significant cost reductions versus mechanical/active smoke curtains resulting from lower initial investment costs, zero ongoing maintenance and no maximum lifespan.**

▶ **Increased design flexibility, with options for large sizes, screen printing, acid etching, manifestations, and shapes/cut-outs.**

City Square Shopping Centre (Ireland)

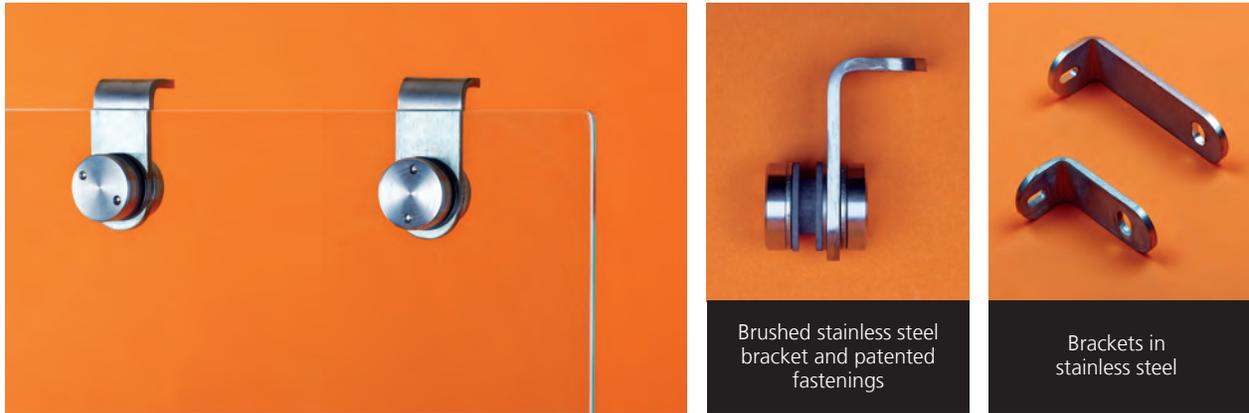A major shopping destination with an average weekly footfall of approximately 100,000 people.

Centre de Congrès Prouvé (France)

A cutting edge conference venue, equipped with a 3000m² exhibition hall, 2 auditoriums and 13 meeting rooms.

Silverburn Shopping Centre (UK)

A recently opened state of the art shopping mall on the outskirts of Glasgow.
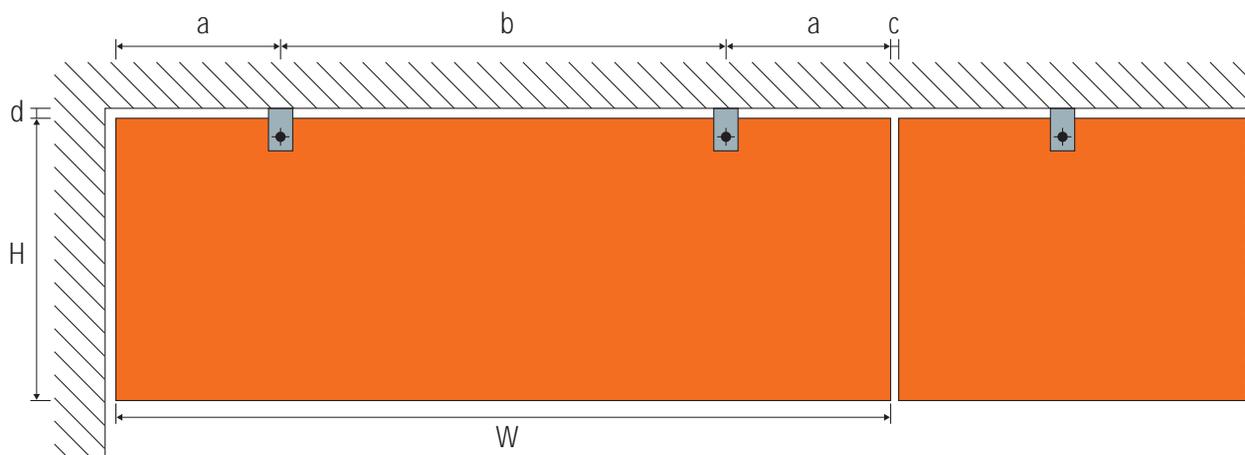
Smokeguard

Brushed stainless steel bracket and patented fastenings

Brackets in stainless steel

Product Characteristics

▶	System name	Smokeguard
▶	Test report	Efectis France 08-V-049
▶	Fire Resistance	(EN12101-1) DH30
▶	Product Standard	EN 572
▶	Nominal Thickness	8 mm
▶	Thickness Tolerance	± 0.3 mm
▶	Dimensional Tolerance	± 2.5 mm
▶	Weight	20 kg/m²
▶	Impact Classification	1C1
▶	Light Transmission	87%

Application Characteristics

▶	Brackets	Mild or stainless steel with associated fixings
▶	Supporting Construction	Fire rated structure (30 minutes fire load)
▶	Max tested size	2500 mm x 1200 mm (W x H)
▶	Minimum size	465 mm x 109 mm (W x H)
▶	Number of holes per pane	2 holes
▶	Distance from hole to vertical edge of glass (a)	$a = \dfrac{W}{4}$
▶	Maximum distance between holes (b)	$b = \dfrac{W}{2}$
▶	Gap between consecutive panes (c)	15 mm
▶	Gap between top edge of glass and supporting construction (d)	10 mm

Options

▶ Screen printing / acid etching / manifestations (must not cover more than 50% of the glass surface in each case)

▶ Shapes/Cut-outs

▶ Flat brackets

▶ P.P.C. Steel trims to conceal brackets

▶ Steel jointing strips between consecutive panes

Why Pyroguard?

In addition to Smokeguard, Pyroguard also offers a complete range of fire resistant glass from E30/EW30 to EI180

Large sizes available for timber, steel and aluminium applications, validated by test evidence

Pyroguard EW glass is UV stable and so can be used both internally and externally with no edge taping required

Pyroguard products are available in double and triple glazed units with a wide range of counterpanes (including acoustic, low-E, solar control, impact)

Online Resources

▶ Online product selector
▶ Free technical document

▶ Product technical information
▶ Project questionnaire

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Our Partners

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