

THERMAX
Contracting Services Limited

FIRE-RESISTING GLASS SMOKE SCREENS
TO EN 12101-1 - DH30

DESIGN

For the provision of smoke control screens as part of the fire protection strategy for buildings.

The screens are intended to restrict the movement of the smoke below the ceiling layer and create a smoke reservoir effect, the significance of this being predominantly related to the provisions for means of escape.

The requirement is that the smoke control screens comply with the recommendations of EN 12101-1 Smoke & Heat Control Systems.

SPECIFICATION

The glass used in the smoke barrier system is a 6mm thick toughened fire resisting safety glass. The glass has been developed for Fire Resistance to DH30 for 30 minutes when tested with the heating fire curve (ISO 834)

The glass is drilled along the upper edge and bushed to take a support bolt and bracket that is attached to a high-density supporting construction or an approved flexible supporting construction.

The glass screens are made up from equal panels with minimal expansion gaps left between the individual panels.

ADVANTAGES

- No support framework required
- Aesthetically pleasing
- No maintenance required
- Can be interfaced into the existing ceiling without too much disruption
- Long term cost effective



Meadowhall: Sheffield



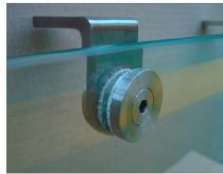
Primark: White Rose Centre: Leeds



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BRACKET TYPES

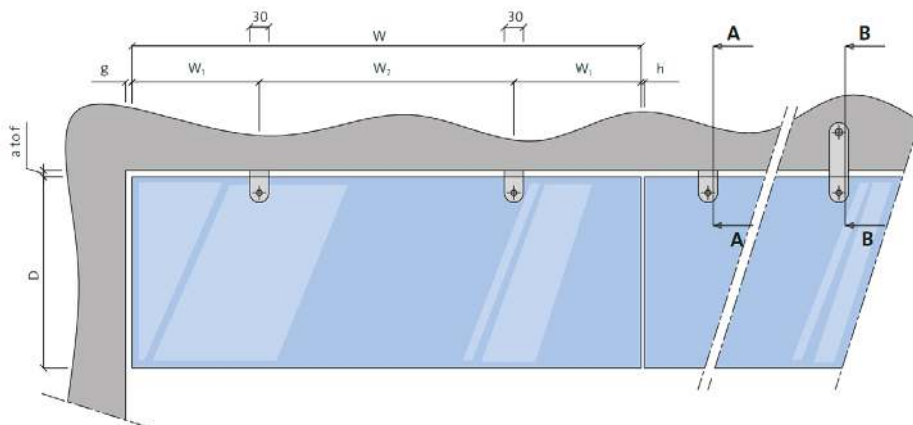


Stainless steel fitting
«DESIGN»



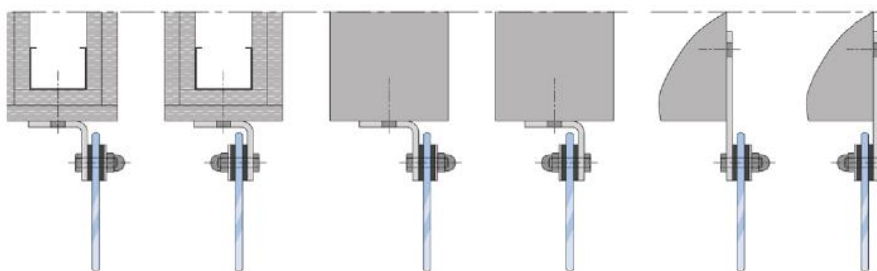
Steel fitting
«ECO»

PANEL LIMITATIONS



Dimension (mm)	DH 30	
W	≤ 2000	≤ 1000
D	≤ 1100	≤ 1600
W1	≤ 350	≤ 250
W2	≤ 1300	≤ 500
Fitting	2/glass	2/glass

FITTING OPTIONS



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