



Kingspan Ecoscreen Data Sheet

Fixed Smoke curtain for smoke compartmentation



Daylighting Solutions
Natural Ventilation Solutions
Smoke Management Solutions
Service & Maintenance
Building Automation

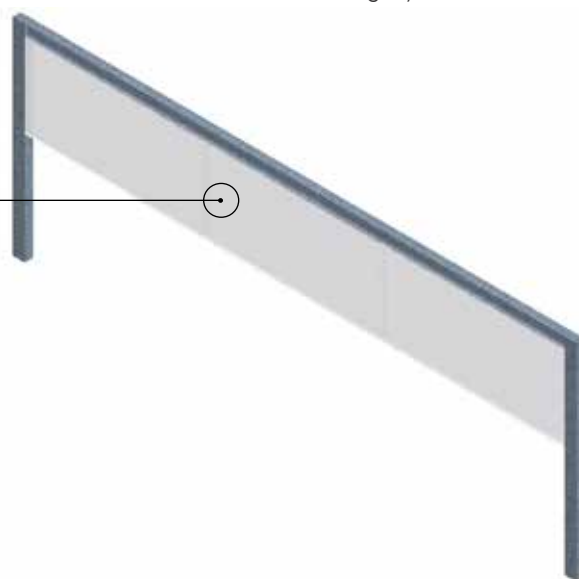


Kingspan Ecoscreen

Description

KINGSPAN ECOSCREEN is a smoke curtain made from thick fire resistant fabric, CE-certified according to EN 12101-1. It ensures an excellent fire resistance level of A2-s1, d0 (M0) and fire resistance for 30 minutes integrity DH 30. This ultra-light product is assembled on site to facilitate handling and installation, whilst taking into account the layout of the built environment (especially cabling routes and equipment locations). A top bar is used to fix it to the ceiling, with a bottom bar providing ballast below to ensure the fabric is sufficiently taut.

Ideal solutions for larger buildings



CE

Advantages

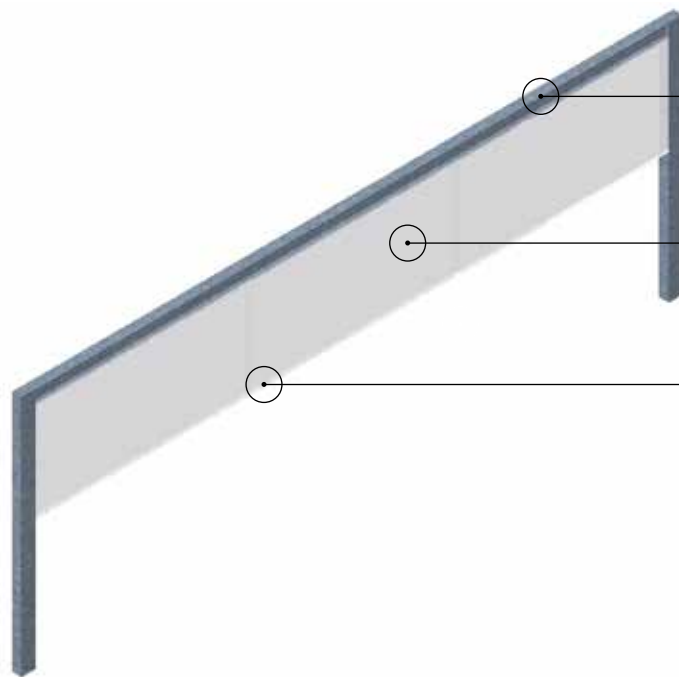
- Ideal solutions for larger buildings.
- An ultra-light smoke curtain, easy to install and maintain.
- Excellent fire resistance level: A2-s1, d0 (M0).
- Can be adapted to all types of building layout.
- No size restrictions.

Standard description

The smoke compartmentation will be ensured by Ecoscreen smoke curtains from Kingspan Light + Air, CE-certified compliant with standard EN 12101-1. Fire resistance classification A2-s1, d0 (M0) and fire resistance for 30 minutes integrity DH 30.



Description



Steel fixing bar

The bar is made of steel of 30 mm width

Fabric

Special heat-resistant fabric made of fibreglass with polyurethane coating on each side. Standard elements are factory manufactured, with hem at the top to insert the fixing bar, and a bottom hem for the bottom bar.

Dimensions : refer to table below
Standard Color: aluminium grey (white as an option).

Bottom bar

The smoke curtain barrier

The smoke curtain barrier is a vertical separation fitted in the underside of the roof or ceiling to prevent the lateral spread of toxic smoke and combustion gases. Smoke curtains play an integral role to compartmentalize large volume buildings, in conjunction with a Smoke & Heat Exhaust Ventilation (SHEV) System.

Fire Resistance limit	DH 30	Thickness	0,45 mm
Fire Resistance classification	A2-s1, d0 (M0)	Weight	450 g/m ²

Dimensions of single elements

Shorter or equal to 2.90 ml Drop	Element length of 4.50 m
Taller or equal to 2.90 ml Drop	Element length of 1.90 m



The goals for a smoke barrier are:

- Maintain safe escape and rescue routes.
- Ease firefighting operations.
- Prevent damages to structural elements.
- Prevent unburnt gases explosions.

Certifications



INTERNATIONAL

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For the product offering in other markets please
contact your local sales representative or visit
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