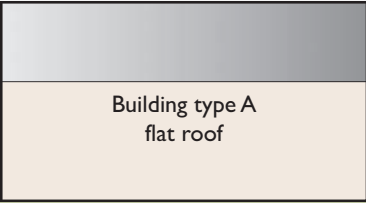


#### DESCRIPTION

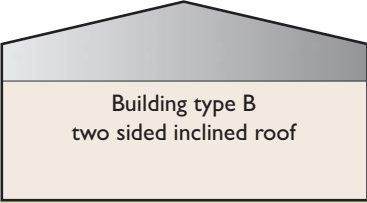
A Smokemaster SM-ST fixed smoke curtain prevents the movement of smoke and heat from one area to another by channelling or containing the smoke and heat in the case of fire.

A Smokemaster SM-ST smoke curtain generally consists of several overlapping curtains attached together to provide a continuous run. They are connected together and to the building by means of clamps and angle pieces. At the bottom of the cloth there is a weight, ensuring that the curtain remains taut and reducing the amount of deflection through air currents. A Smokemaster SM-ST smoke curtain meets the requirements of EN 12101-1.

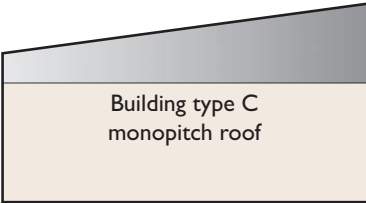
The fabric is available either as D120 (tested at 600° C for 120 minutes), DH60 (tested for 60 minutes to the time-temperature curve defined in EN 1363-1:2012) or DH120 (as DH60, for 120 minutes). Fabric class is A2-s1, d0 according to EN 13501-1. The fabric comprises a satin weave fibreglass fabric with a silver polyurethane coating on both sides providing an excellent reflection of heat. In addition, the heavier duty DH classes of cloth have a woven stainless steel reinforcement.



Building type A  
flat roof



Building type B  
two sided inclined roof



Building type C  
monopitch roof



DETAILED TECHNICAL DESCRIPTION

The installation angles and the clamping profiles are pre-drilled to accept rivets. The connecting pieces have a continuous pre-drilled hole pattern, enabling fast and easy assembly of the curtain fabric. The bottom bar has a loop to accommodate the weight.

If a SM-ST system is used to close off a scheme of movable smoke curtains positioned above it, it is supplied without the cloth loop and then attached using the clamping profile directly onto the housing of the movable smoke curtain.

Fixing brackets, clamping profiles and bottom bars are all in galvanized steel.

The cloth overlaps can be attached to one another using a spray adhesive approved by MPA Stuttgart, which only serves to enhance the appearance of the surface of the cloth.

The SM-ST system needs to be fixed to the building with approved fasteners at intervals of a maximum of 1.5 metres.

SPECIFICATION

Overall max. length 150m  
 Overall max. height 8m  
 Cloth overlap: 100 mm for D, 250 mm for DH when drop > 8 metres  
 Weight: 9.0 kg / linear m (D), 11.0 kg / linear m (DH)  
 Cloth Weight: 455 g / m<sup>2</sup> / 690 g / m<sup>2</sup> (D / DH)

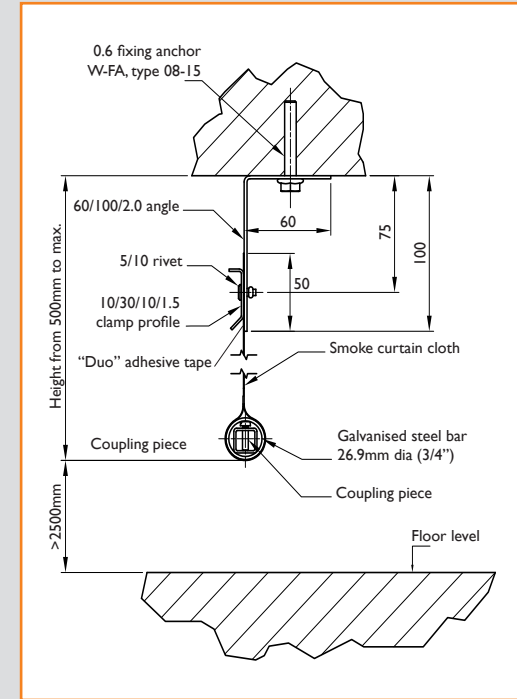
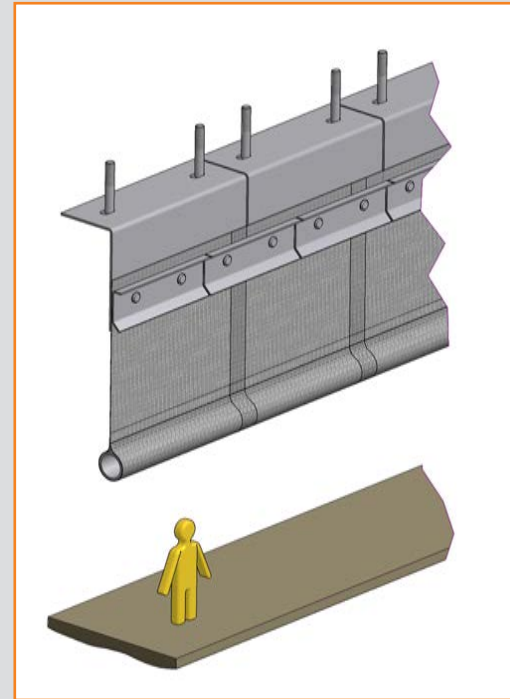
Bottom bar: 3/4" bar (as standard)

These EU certificates of conformity provide evidence that SM-ST is suited to its stated application:

- D120: 0672 - CPD - 0146
- DH60 0672 - CPD - 0206
- DH120 0672 - CPD - 0207
- General building approval (AbZ) No. 56-4211-949.



*Its prefabricated metal sleeves allow penetrations to be made in various sizes and shapes.*



Smokemaster SM-ST smoke curtains are easy to install to the existing structure of the building.

