

Smoke & Fire Curtains Smoke Series SC2/Draft Static / Fixed



BLE Smoke & Fire Curtains have always been at the forefront of engineered smoke strategies.

Originally the primary use of smoke curtains was for smoke containment and smoke channelling, particularly in complex buildings such as airports and shopping centres.

Smoke sealing and smoke permeability are now important considerations and in both cases BLE Smoke & Fire Curtains have a suitable curtain solution.

The SC2 Draft Smoke Curtain has been utilised by architects and fire engineers in buildings all over the world. It is a highly regarded for its lightweight robustness and quality engineering, providing excellent channelling and compartmentation characteristics.



Compliance

- BSEN 12101-1+A1. Smoke & heat control systems. Part 1: Specification for smoke barriers
- BSEN 1634-3 Fire resistance tests for door & shutter assemblies. Part3: Smoke control doors and shutters.
- BSEN 13501-4:2007+A1:2009
Fire classification of construction products and building elements. Classification using data from fire resistance tests on components of smoke control systems.
- BSEN ISO 1716:2010 Reaction to fire tests for products. Determination of the gross heat of combustion – calorific value.
- BSEN 13823:2010 Reaction to fire tests for building products. Building products excluding floorings exposed to thermal attack by a single burning item.
- BSEN 13501-1:2007+A1:2009
Fire classification of construction products and building elements. Classification using test data from reaction to fire tests.
- BSEN ISO 9001:2008 Quality management system
- BSEN 10219-1:1997 Cold formed welded structural sections of non-alloy and fine grain steels. Technical delivery requirements
- BSEN 10025-2:2004 Hot rolled products of structural steels. Technical delivery conditions for non-alloy structural steels
- BSEN 755 Aluminium and aluminium alloys. Extruded rod/bar, tube and profiles. Mechanical properties.
- BS476-6:1989+A1:2009
Fire tests on building materials and structures. Method of test for fire propagation for products.
- BS476-7:1997 Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products.
- BSEN 10305-3:2002 Specification for seamless & welded tubes for automobile, mechanical & general purposes. Specific requirements for electric resistance welded (including induction welded) steel tubes.
- UL723:2008 Test for surface burning characteristics of building materials.
- Fabric Testing DIN EN 53855, 53851, 53855 T1, 53830, 53857 T1, 52273 & DIN EN 1049

Fixing Options

The SC2-Draft curtain can be fixed in several ways, some of which are listed below.

The top hem of the curtain is secured, using self-tapping screws, to a 40 x 40 x 0.9 mm Galvanised mild steel angle which is fixed to the site steelwork. A pocket hem is provided at the bottom edge of the curtains to allow the insertion of a steel rod to aid stability.

To ensure that all penetrations are smoke tight the surrounding curtain fabric should be sealed using either metal gaskets or fire resistant tape. Cuts made in the fabric would be sewn using stainless steel thread.



Penetrations can be accommodated and sealed up to 500mm in diameter.

BLE Smoke & Fire Curtains also have a large number of assessments on their tests based around customers' specific requirements for individual projects.