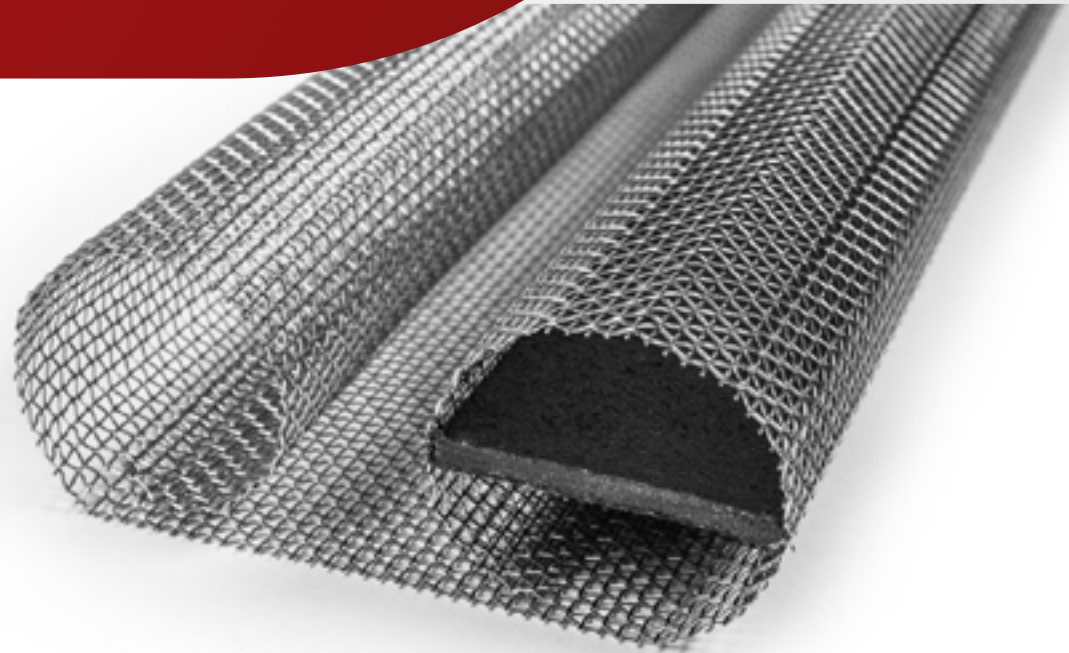


CAVITY BARRIER

DATASHEET



Fire rated Cavity Barrier

Fires spreading through cavities of a construction, for example behind the façade cladding, represent a major risk of rapid fire propagation. Accessing and extinguishing a fire that has spread in these areas presents a considerable challenge for the fire brigade.

With FB Cavity Barrier, the cavity can be compartmented to limit fire spread.

Like other Firebreather products, the FB Cavity Barrier combines the need for adequate venting behind the cladding with the need to limit the spread of fire.

FB Cavity Barrier is also well suited for attic venting. It is mounted in the air gap at the eaves level.

In the case of a fire, the cavity barrier will instantly seal the cavity and prevent fire spread. It is tested according to sudden direct flame impingement ASTM 2912:13.

FB Cavity Barrier is available with fire rating EI30, EI60 and EI90.

FB Cavity Barrier is a fully passive vent design, i.e. it contains no moving parts, no detector activating system, and no cabling. The fire barrier protects against direct flaming, leap-frog fire, sustained fire and prevent unburned gases from passing to the unexposed side.

FB Technology utilizes various heat transfer blocking mechanisms to instantly stop the spread of fire. From the very first millisecond and throughout the fire rating period, ignition will be prevented on the unexposed side.

PRODUCT DATA

Available in lengths
113 cm og 53 cm

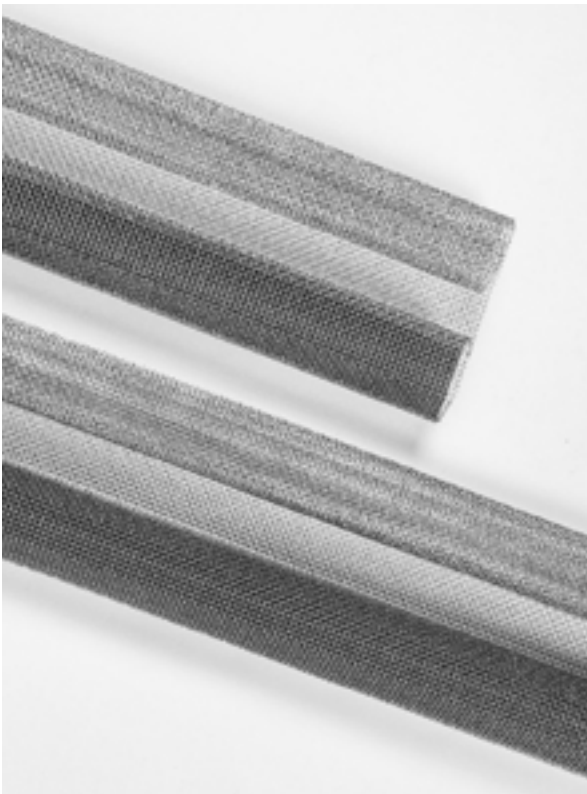
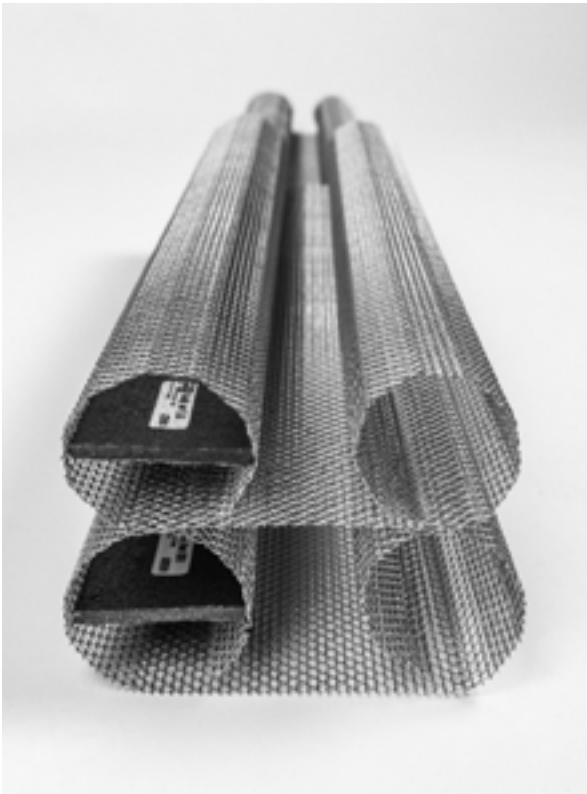
Depth x Height
23(+3) x 112 (±7) mm
28/30(+3) x 87 (±7) mm
36(+4) x 112 (±7) mm
50(+4) x 150 (±7) mm

Fire resistance rating
EI30, EI60 og EI90

Tested according to
NS-EN 1366-4:2006
EN 1366-4+A1:2010

Product Documentation
RISEFR 010-0238
CSTB AL16-182

Materials
AISI 304 Stainless steel
Intumescent



AREA OF APPLICATION

- Air gaps in ventilated façade
- Between storeys in multistorey buildings
- Air gaps in ceiling/attic
- Other cavities in the construction

MAINTANCE

The FB Cavity Barrier is designed without any moving parts and does not require special maintenance to ensure its functionality in the event of a fire. However, if the barrier is installed in an area openly exposed to highly salty or polluted air, there is a possibility of staining on the mesh. Please refer to the maintenance guide for stainless steel for instructions on removing stains, as well as for general advice on protection and maintenance.

ENVIRONMENT

The product complies with the chemical regulatory requirements for REACH. Waste should be recycled, and FB Cavity barriers offer an environmentally friendly solution as they are made of stainless steel and can be recycled. The stainless steel construction of the barriers allows for their eco-friendly disposal. The intumescent material, on the other hand, should be disposed of as residual waste.

FB Cavity Barrier is listed in the database for building products that can be used in Nordic Swan Ecolabelled buildings.

RESPONSIBILITY

Securo's responsibility is limited to delivering products with documentation.

In applications-required measures under the Planning and Building Act, companies with responsibility for design must determine ventilation needs and fire resistance.

FIRE RATED CAVITY BARRIER

DATASHEET

[Pa]	FCB 50mm [m ³ /h]	FCB 30mm [m ³ /h]	FCB 23mm [m ³ /h]
5	119	108.2	68
10	181	165.5	108
15	230	195	135

PRESSURE DROP TABLE FOR FIREBREATHER® CAVITY BARRIER (FCB)

This table shows the airflow (in cubic meters per hour, [m³/h]) passing through different FBH products (with thicknesses of 50 mm, 30 mm, and 23 mm, per meter of product) at three different pressure levels (5 Pa, 10 Pa, and 15 Pa).