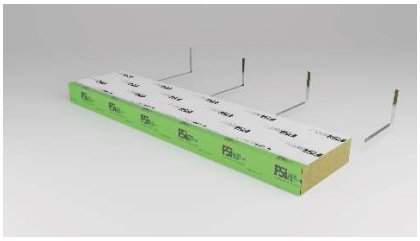
DEVELOP
MANUFACTURE
PROTECT

FIRE STOPPING & COMPARTMENTATION SYSTEMS

# Silverliner® Open State Cavity Barrier

## Technical Data Sheet



**Technical Description of the Product**

Silverliner® Open State Cavity Barrier (OSCB) is developed to protect the voids between the outer façade and the inner construction element of the building. The product is designed for use in a ventilated system, the Silverliner® OSCB allows for 25mm linear air gap to ensure movement of air and moisture within the building. The aluminium foil restricts fibre migration and has a class '0' rating. In the event of a fire the intumescent outer edge of the product will expand and fill the ventilation gap between the product and the façade preventing the passage of fire from one compartment to another.

**Intended areas of Use:**

- Between the inner construction (slab edge) and the outer façade of the building
- Where movement of air and moisture is required
- For overall gap sizes up to 350mm

**Key product advantages:**

- 3rd Party approved- EWCL 5 WarringtonFire
- Assumed working life of 25 years
- Non-combustible core
- 'Dry fit' solution, no cure time
- Fast installation using brackets

| Technical Information | |
|---|---|
| Total gap size | 50 - 350mm |
| Gap between product and façade | ≤ 25mm * |
| Fire resistance | Up to 90 minutes tested according to ASFP TDG 19 & BS 476: Part 20. |
| Ventilation void closure time | ≤ 5 minutes |
| Product dimensions | 1000mm x 75mm (width is variable depending on building requirements) |
| Density | Mineral fibre 90kg/m³<br>Intumescent 1.3g/cm³ |
| Fixings | 3 brackets per 1000mm @250mm centres (length 390mm or 635mm) |

**For larger sizes please contact FSi directly*

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# OPEN STATE CAVITY BARRIER IN A RIGID FLOOR

## Products

1. Silverliner® Open State Cavity Barrier
2. Steel Brackets

## Classification

See table below

## Supporting Construction

Rigid floor with façade

## Maximum Opening Size

350mm

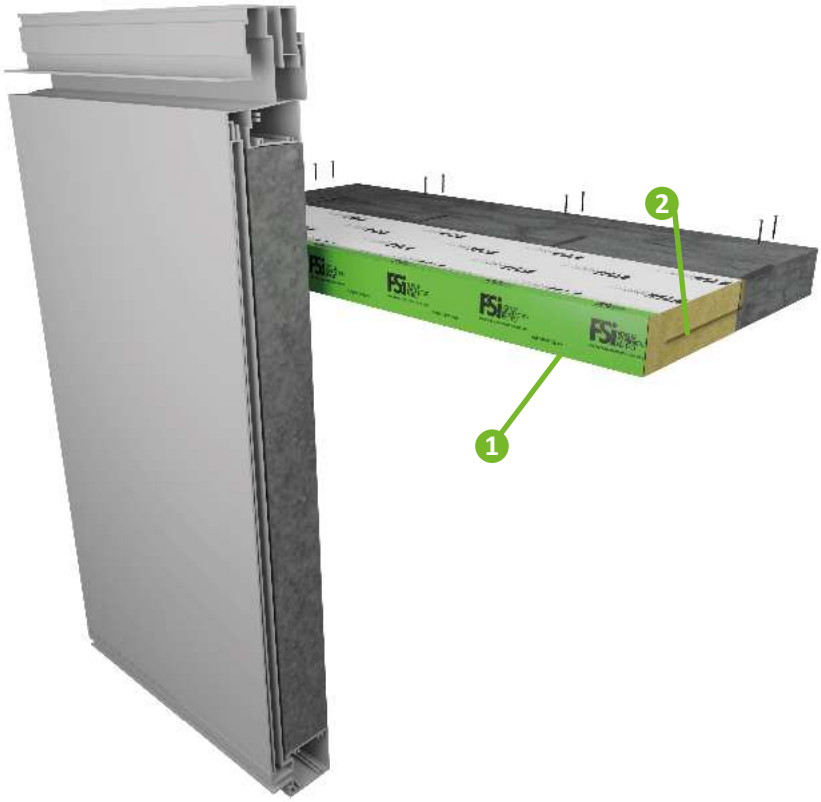
| Cavity Void (25mm air gap) | Close Time (mins) | Classification (mins) |
|---|---|---|
| 175mm | 2:28 | Integrity: 97<br>Insulation: 36 |
| 350mm | 3:30 | Integrity: 56<br>Insulation: 49 |

## Additional Notes

**Fire Resistance**

Silverliner OSCB has been tested to ASFP Technical Guidance Document - TGD 19 Fire Resistance Test for 'Open-State' Cavity Barriers used in the external envelope or fabric of buildings.

In the test a representative sample of an 'open-state' cavity barrier is exposed to a specified regime of heating and pressure as specified in EN 1363-1. The fire resistance performance of the test specimen is also monitored as stipulated by this standard and the results are expressed as the time for which the appropriate criteria have been satisfied.




## Installation

• This cavity barrier is installed in the voids between the outer rainscreen facade and the inner construction element of the building.

• Any insulation fitted to the outer face of the building should be cut away to allow for the installation of Silverliner OSCB.

• Suitable steel brackets should be fixed to substrate using suitable non-combustible fixings. (If not using FSi brackets please seek technical advice for the suitability) 3 brackets should be fixed at 250mm centres per 1000mm piece.

• Silverliner OSCB should be then placed on to the brackets at mid-depth, ensuring that the split ends of the bracket protrudes 10mm from the intumescent edge of the product. The 2 ends should then be folded to support the intumescent (one up and one down).

*When selecting length of bracket. You need to take into account the overall width of the product, the 10mm protruding and the length you require to fix to the inner construction element.