

## Cost effective and efficient firestopping for slab edge and curtain walling, for static or movement joints.

### Description

Spanatherm is a strong pre-engineered rock fibre movement-joint fire seal, that allows significant movement accommodation at the same time as providing fire integrity, insulation and an effective smoke seal.

Spanatherm is a dense fibrous system faced on both sides with foil to provide Class O surface spread of flame and a vapour check barrier.

### Dimensions and Colour

Size: 1200 x 600 x 100 mm thick slabs. (Firetherm also offer a cut to size service for larger projects).

Colour: foil faced both sides

### Fire Testing

- Spanatherm has been rigorously tested to BS 476 Pts 20 and 22: 1987 at a UKAS accredited laboratory for up to two hours fire integrity and 90 minutes insulation

### Maximum Openings

- Facade and internal movement and slab edge seals up to 550 mm (maximum gap width +/- 7.5% movement)

### Features

- Most economic overall system
- Up to 2 hours fire protection
- Economic fixings
- Vapour barrier
- Smoke barrier
- Acoustic seal

### Applications

Spanatherm is a dry fit system designed to be a cost effective and efficient method of firestopping static and movement joints for slab edge/curtain walling or vertical details.

### Typical Service Types

None expected.

Combustible pipework, steel pipework and cables can be accommodated. Please consult Firetherm Technical for detailed solutions.

### Typical Installation

- Clean all surfaces to remove loose debris, dirt and grease.
- Carefully remove Spanatherm from its packaging.
- Measure the gap width of the opening to be sealed.
- Cut the Spanatherm into strips lengthways

to the width of opening plus approximately 10% (minimum 5 mm) to ensure a compressed joint.

5. Under compression, install the cut length of Spanatherm. Where the opening width exceeds 50 mm or the cladding system is flexible, edge clips or V-lock spikes will be required to provide sufficient support in relation to gap width.

The clip is fixed into the slab side edge of Spanatherm and mechanically fixed to the top of the floor slab. Clips/Spikes required: 3 per 1.2 m at 400 mm centres working from the centre line, minimum 2 per cut piece.

6. Butt join additional lengths of Spanatherm along the seal as required.

7. Seal adjoining edges of Spanatherm using suitable adhesive backed foil tape. 50 micron, 100 mm wide tape is recommended and is available from Firetherm.

- Where it is not possible to scribe the product, discontinuities or Irregularities up to 25 mm can be sealed using Intumastic or Intumastic ADL to a 1:1 ratio in conjunction with a minimum 64 kg RF backer to remainder of seal depth. This should only be used in C1, C2 or C3 Environments, For C4 Intusil should be adopted.

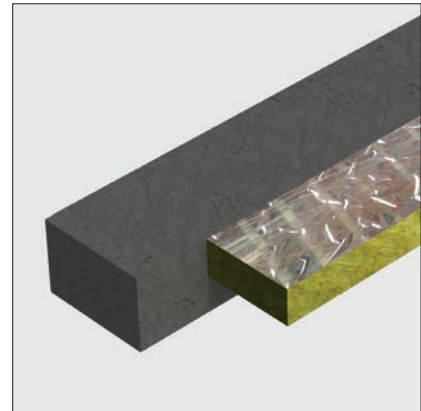
- When used vertically the smoke seal must be applied to both faces of the product.

NOTE: The Integrity and Insulation rating of this product is limited to the capability of the surrounding substrates, we do not permit the use of this product against combustible cladding.

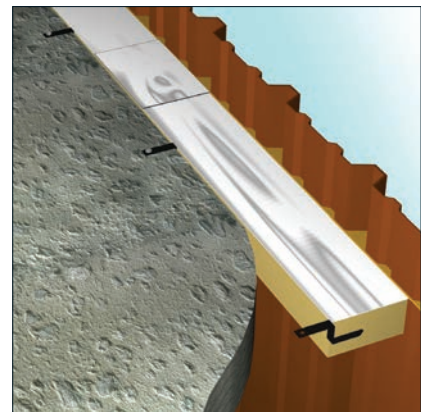
### Storage & Shelf Life

Spanatherm has a 50 year shelf life when stored in shaded, dry conditions between -50°C and +65°C.

### Typical Details



Spanatherm



Close up of Spanatherm support bracket

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This data sheet offers guidance related to fire testing results and does not offer methodology of the installation of the product. Suitability of this product and its usage to substrate type, service type and fire requirement must be confirmed before installation commences. A specific detail relevant to installation must be requested. Firetherm recommend that all fire stopping products should be installed by a third party accredited fire stopping contractor or competent person. Full application details and methodology instructions should be requested before installation of this product commences. Standard terms and conditions apply at all times.