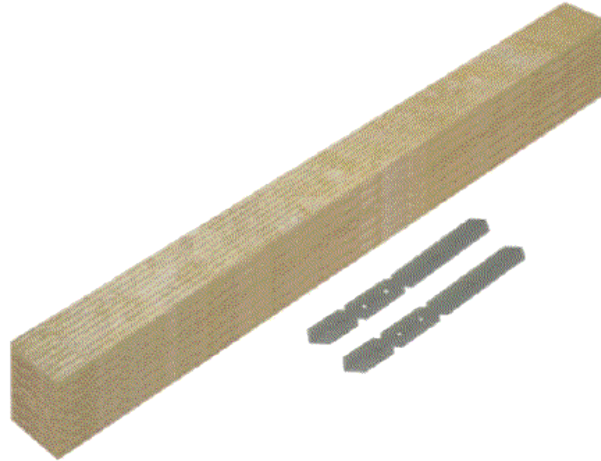


## Key Features:

- Simple installation
- Up to 120 minutes fire rating
- Maintenance free
- Unaffected by humidity and moisture
- Good acoustic insulation
- Cold smoke seal
- Thermal Performance



Tested in accordance with BS 476:Part 20, **TENMAT** NVFB Non-Ventilated Fire Barriers provide up to 2 hours fire protection for vertical rainscreen/cladding cavities. The NVFB Non-Ventilated Fire Barrier is used for preventing fire penetration to adjoining compartments within external cavities in a vertical situation for specified periods of up to 2 hours. They are manufactured to suit cavity widths and are held in place by a combination of compression and multi purpose brackets.

## Availability

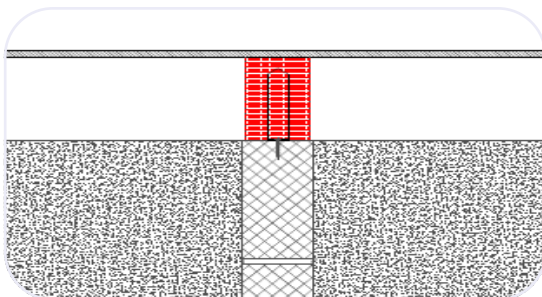
Thickness (Total Cavity plus 10mm for Compression Fit) x 100mm x 1000mm. (80mm deep in cavities  $\leq 100$ mm)

Can be supplied as Plain Fibre or Shrink-wrapped.

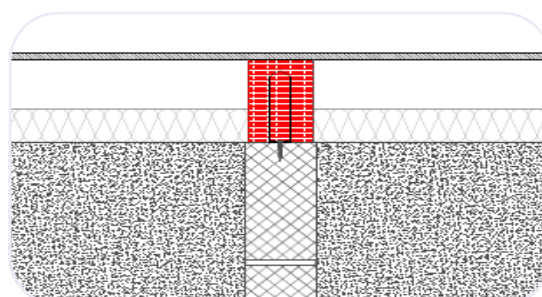
2No. Multipurpose Brackets are supplied per metre. The Barriers must be fitted using these brackets as per installation instructions.

## Examples of Approved Applications

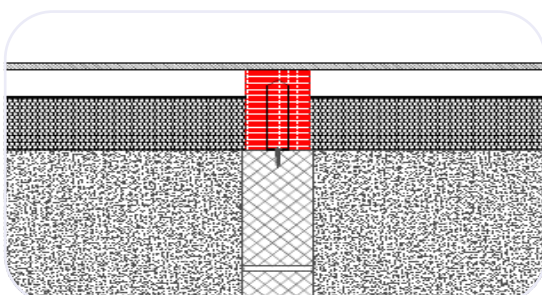
**NVFB Fixed to Non-Combustible Constructions**



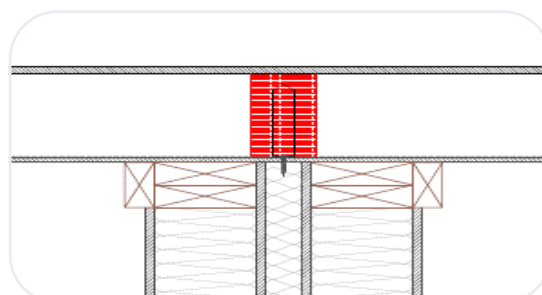
**NVFB Fixed between Mineral Fibre Insulation**



**NVFB Fixed between Kingspan K15 Rigid Insulation**



**NVFB Fixed to Combustible Timber Constructions**



Please contact **TENMAT** for timber constructions before specifying the product

## Fire Rating

CAVITY SIZE	INTEGRITY	INSULATION	DEPTH
10-100 mm	120 mins	120 mins	80 mm
101-450 mm	120 mins	120 mins	100 mm
451-600mm	120 mins	30 mins	100 mm

## Fibre Migration

Fibre migration will be prevented by the use of shrink-wrapping, or foil encapsulation.

## Smoke Seal

**TENMAT** NVFB Non-Ventilated Fire Barriers will inhibit smoke spread within the cavity.

## Thermal Performance

The mineral wool from which **TENMAT** NVFB Non-Ventilated Fire Barrier is made has a thermal conductivity of 0.035 W/Mk.

## General Fitting Instructions

1. Bend the multi-purpose brackets into an 'L' shape and fix min. 2 per length of NVFB to the inner substrate using self tapping non-corrosive steel masonry anchors (minimum 55mm long) embedding a minimum of 50mm into the substrate.
2. Brackets to be fitted 250mm in from ends of the barrier. For sections of NVFB over 300mm in length, 2 brackets are still required.
3. Push the NVFB onto the leg of the bracket so it is spiked into the centre of each length, and compress into the cavity, ensuring that the seal is fitted under a minimum of 5mm/10mm\* compression.
4. Where the gap deviates significantly from the product supplied, trim the thickness of the NVFB with a knife or fine tooth saw to allow a minimum of 5mm/10mm\* compression.
5. Ensure that adjacent pieces of NVFB have all of their joints tightly abutted together, and are aligned flush with each other.
6. Point in any small gaps (up to 5mm) with Intumescent Sealant if required.

\* *Brickwork/blockwork: Min. 5mm compression.*  
*Cladding/curtain walling: Min. 10mm compression.*

