



Tenmat NVFB Cassette Infill (NVFB-CI)

Product Description

Tenmat NVFB Cassette Infill (NVFB-CI) is a 150mm wide strip of 110kg/m³ density, non-combustible stone wool, the thickness required is dependent on the depth of the cassette panel up to 31mm deep.

Tenmat NVFB Cassette Infill (NVFB-CI) is adhered to the inner face of the cassette panel using PFC Corofil Fire Resistant Silicone Sealant and should finish flush with the face of the cassette panel facing into the void and allows the intumescent open state barrier to maintain a continuous air gap at the back of the panel without the need to notch around the panel joints.

Tenmat NVFB Cassette Infill (NVFB-CI) is tested to the principles of EN1363-1 and ASFP Technical Guidance Document 19 (TGD19).

Intended Use

Tenmat NVFB Cassette Infill (NVFB-CI) is designed for use with the Tenmat VFB 120/120 Ventilated Fire Barrier (Open State Cavity Barrier comprising of FF102 4mm thick intumescent strip with stonewool backing). The NVFB-CI should fill out the depth of the cassette panel, allowing a continuous air gap to be maintained behind the cassette panel without the need for notching around the panel joints.

Key Points

- Tested to the general principles of EN1363-1 and following ASFP Technical Guidance Document 19 (TGD19)
- Manufactured from the same stone wool as Tenmat VFB 120/120 Ventilated Fire Barrier
- Suitable for cavity widths between 90mm and 300mm

Specification

Product Dimensions	150mm wide x depth to suit panel (up to 31mm deep) x 1000mm long
Density	nom. 110kg/m ³
Cavity Sizes	90mm – 300mm
Colour/Appearance	Buff/Stone wool
Reaction to Fire	A1 – EN 13501-1



Installation Instructions

- Install the Tenmat VFB 120/120 Ventilated Fire Barrier as per the installation instructions on the Technical Data Sheet.
- Take a 1 metre strip of Tenmat NVFB Cassette Infill (NVFB-CI) and cut to length, (if the panel is wider than 1 metre, use extra lengths ensuring a tight butt joint between lengths and no gaps) ensure the total length of the insert is 5mm longer than the cassette panel opening.
- Mark on the cassette panel where the VFB 120/120 will line up and ensure the NVFB-CI is installed centrally so that the VFB 120/120 can expand against the full surface of the NVFB-CI.
- Apply a 6mm bead of PFC Corofil Fire Resistant Silicone Sealant in two lines approximately 25mm in from each edge along the full length of the strip to one face of the NVFB-CI.
- Place the NVFB-CI with the sealant facing the panel into the cassette and apply firm pressure along its length making sure the insert is fully adhered to the cassette panel.
- Apply PFC Corofil Fire Resistant Silicone Sealant around the edges of the insert to seal against the cassette panel and install the panel. Make sure that the VFB 120/120 and the NVFB-CI are in line.

Substrates

- Masonry; minimum 150mm thick and comprise of concrete, aerated concrete or masonry, with a minimum density of 650kg/m³.
- Steel Frame System; Metsec SFS 100mm x 2mm thick faced with 12.5mm Knauf Windliner Board on the outer face.

The supporting construction must be classified in accordance with EN13501-2 for the required fire resistance period.

Performance Data

Fire Resistance Performance of Tenmat NVFB Cassette Infill (NVFB-CI) installed within a 31mm deep 2.3mm thick Cassette Panel - Tested to the general principles of EN1363-1 and ASFP TGD19

Product Reference	Overall Cavity Width	Air Gap*	Fire Resistance Performance	
			Integrity	Insulation
NVFB-CI	90mm	25	90	30
	91mm - 300mm		45	30

**Maximum air gap permissible between front face of VFB 120/120 open state cavity barrier and rear face of the NVFB Cassette Infill (NVFB-CI)*

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