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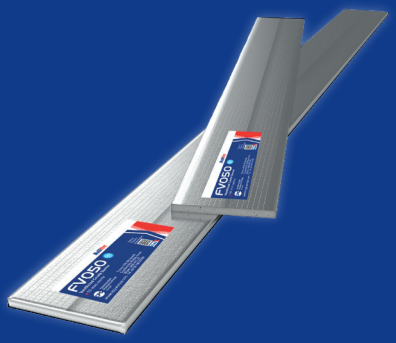
Nullifire
Smart Protection

FV050

Small Ventilated Cavity Barrier

up to 120 mins



Product Information

Description
FV050 Small Ventilated Cavity Barrier is suited to an open state cavity of up to 50 mm, manufactured from a directionally expansive intumescent material encapsulated in a foil barrier.

Usage / Purpose
FV050 is a fire rated product designed to act as an external wall cavity barrier at the required locations such as compartment floors, around windows, doors, etc. and within uninsulated cavities requiring permanent (open-state) ventilation.
In the event of a fire FV050 will expand to close the external wall cavity, providing effective fire resistance, for integrity and insulation for up to 120 minutes depending upon the construction of the external walls. FV050 is designed for use within a 50 mm cavity, and once installed will close the remaining free air gap (in front of the 6 mm thick cavity barrier) of 44 mm.

Product Dimensions
Length: 1000 mm
Height: 75 mm
Thickness: 6 mm

Colour
Silver

Packaging
Aluminium foil.

Availability
Direct from Tremco CPG UK Limited (see details on this TDS).

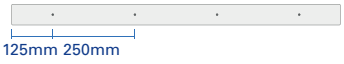
Usage Guidelines

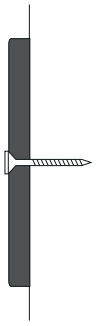
Always read SDS, pre-application guidance and relevant application detail prior to application. Ensure the latest documents are downloaded prior to every project commencement.

Necessary Tools
- Masonry drill
- Screwdriver
- Saw/knife for cutting product
- Measuring tape
- Stainless steel fixings suited to the substrate.

Preparation
- Ensure the installation area is free from dust, oil and any corrosive material.
- Check the mounting substrate is solid and free from damage and degradation before beginning.
- Double check for any obstructions, ensure that if there are any that could allow fire to pass vertically, they are fire stopped separately using an approved and applicable Fire Stopping product.

Fixings / Application Instructions
- Affix the product using 5 mm Ø stainless steel screws or nails at a maximum spacing of 250 mm using a maximum countersunk head size of 16 mm. Position of first screw should be maximum 125 mm from one end, maximum 250 mm centres (4 screws per linear meter). When less than 1 meter, fixings should be positioned at maximum125 mm centres. For lengths less than or equal to 250 mm in length, a minimum of 2 fixings are required.
- Tighten any fastenings until the head is just touching the product, it should not be overtightened as this may damage the strip.
- When attaching to a solid substrate ensure that the fixings are along the centre line of the fire barrier and the labelled side is facing out into the cavity. (So that you can read the label once the fire barrier is installed) .
- If adding additional lengths, ensure they are tightly butted up against each other.





Important Information
- Before placing an order please complete the **Nullifire Project Questionnaire** for suitable product recommendation and presentation to the principal designer for acceptance.

Key Benefits Summary

- **Up to 120 minutes fire resistance tested in accordance with ASFP TGD19 guidance**
- **Allows maximum ventilation of cavities reducing the need for cavity trays or weepholes**
- **Suitable only for “open-state” ventilated cavities up to 50 mm wide**
- **Lightweight - easy & quick to install**
- **Low smoke zero halogen high expansion intumescent material**
- **Water repellent resistant**
- **No maintenance required after installation**

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- Intumescent cavity barriers are tested and designed to expand outwards, from the face of the intumescent material only, additional design details will be required to account for external corners.
- The cavity barrier should not be penetrated by anything other than the mechanical fixings which are used to fix the cavity barrier to the building.
- The cavity barrier should be installed onto a flat surface, with no gaps behind the cavity barrier, the maximum space in front of the cavity barrier should not be greater than 44 mm.
- Our technical support should be consulted in any instance where the principal designer is uncertain as to any issues which may impede the ability of the cavity barrier to perform as expected.

Considerations for The Principal Designer

- The principal designer must approve the use of any cavity barrier, whether open state or full fill, in conjunction with the products fire classification reports, taking full account of the whole construction of the external wall systems and components, including any requirements of Building Regulations and or NHBC Standards.
- The principal designer must sanction any interruptions, which may include items such as brackets, rails or battens, that may affect the continuous line of the cavity barrier. The principal designer must consider the combustibility, melting points and the shape of any interruptions, that are likely to prevent the cavity barrier performing as tested or as expected in the projects design.
- If there are interruptions/obstructions that prevent the cavity barrier being fitted in a continuous line, and with sanction from the principal designer, the product may be cut with a sharp knife and tightly butted up against any obstructions and then restarted on the opposite side of the obstruction, the obstruction must not create a void.

Technical information

Property	Value
Fire Resistance: TGD19	Up to 120 minutes (see performance table)
Composition	Rigid intumescent graphite strip, aluminium foiled
Free Expansion	26:1 Ratio
Durability	Type X intended for use in conditions exposed to weather (UV, rain, frost)
Maximum Continuous Operating Temperature	80°C
Smoke / Halogen Content	Low smoke / Zero halogen
Service Temperature	-20°C to +70°C
Storage	Store in dry, ambient conditions between -20°C and +70°C
Shelf Life	Unlimited when stored as recommended

Maintenance

No active maintenance required. Where alterations are made around the product it should be checked visually to ensure that the product is still installed as per the approved original design and fitting instructions at the time of original installation.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

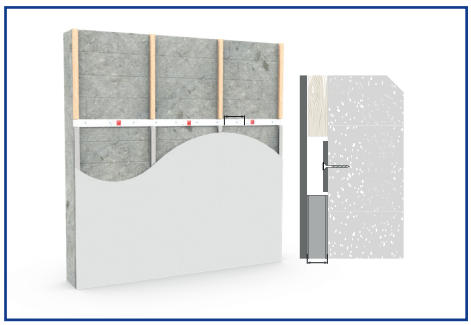
Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more information, service, advice please call Customer Services on 01942 251400.

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.
Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.
It is a requirement of the installer to ensure suitability and compatibility of all elements before installation commences and that compliance can be achieved as required.

Typical Details

Typical Detail behind Hardie VL Plank and other generic weather boards



Typical Detail behind non-combustible external wall substrates.

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