



FF102/50 Cavity Fire Barrier

Building Product Information Sheet

Product name:

FF102/50

Product description and intended use:

Tenmat's FF102/50, Ventilated Cavity Fire Barriers, are manufactured from a low smoke zero halogen high expansion intumescent material. They are designed to be installed horizontally to reinstate fire resisting performance to external wall cavities that are required to be ventilated (open-state) in non-fire conditions. The FF102/50 is manufactured from a rigid intumescent material allowing it to be provided in a strip format, it is also covered with a protective layer of aluminium foil for ease of handling.

In the event of a fire the FF102/50 intumescent material 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.

The FF102/50 is designed for use within cavities of up to 50mm and once installed will close the remaining free air gap in front of the 6mm cavity barrier of up to a maximum of 44mm (depending on construction type).

Product dimensions - 6mm thick x 75mm wide x 1000mm long.
Orientation - Horizontal only

Product identifier (if applicable):

FF102/50

(This could be a Global Trade Item Number (GTIN) or quick response code (QR code), or any other distinguishable part/model number or identifier.)

Place of manufacture: United Kingdom Overseas

Legal and trading name of the manufacturer(s):

Tenmat Limited

Address for service:

Street Name Frank Perkins Way

Street Name Northbank Industrial Park

City Irlam, Greater Manchester

Post Code M44 5EW

Website: www.tenmat.com

Email Address: fpsales@tenmat.com

Phone no. (if applicable): +44 (0) 161 872 2181

NZBN (if applicable):

Legal and trading name of the importer:

Potter Interior Systems

Address for service:

Street Name 393 Church Street

Suburb Penrose

City Auckland

Post Code 1061

Website:

<https://potters.co.nz/>

Email Address:

Phone no.
(if applicable):

NZBN
(if applicable):

Relevant Building Code clauses:

Building Code clause C3: Fire affecting areas beyond the source.

Building Code clause F2: Hazardous Building Materials

Statement on how the building product is expected to contribute to compliance:

Building Code clause C3: Fire affecting areas beyond the source.

FF102/50 has been tested to the ASFP TGD 19 Open State Cavity Barrier standard at 3rd Party UKAS accredited laboratories.

FF102/50 restricts the spread of fire and smoke in an external cavity, providing a fire resistance (integrity/insulation) rating. This rating differs depending on the surrounding construction and material performance.

Building Code clause F2: Hazardous Building Materials

FF102/50 does not contain any substance that will give rise to harmful concentrations at the surface of the material where the material is exposed or in the atmosphere of any space

Limitations on the use of the building product:

FF102/50 must be installed as per the manufacturer installation instructions, see Technical Data Sheet, to ensure compliance with fire tested details.

The product is not subject to any warning.

Design requirements that would support the appropriate use of the building product:

FF102/50 is an open state / ventilated intumescent cavity barrier that remains in open state until the event of a fire.

In the event of fire, the intumescent will expand and seal to the back of the outer substrate limiting the spread of fire from one floor to the next.

The FF102/50 allows for drainage and ventilation, maintaining air flow vertically through the cavity.

FF102/50 is for horizontal applications only.

Installation Requirements

Please refer to the Technical Data Sheet available on www.tenmat.com for installation instructions.

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 44mm (or less depending on construction, see cavity size and air gap details in Technical Data Sheet).

The cavity barrier should be installed uninterrupted in a continuous line.

The FF102/50 must not be obstructed from being able to expand across the cavity in a fire situation.

It is recommended to install with stainless steel fixings to ensure maximum durability performance.

Any further questions can be directed to Tenmat at fpsales@tenmat.com.

Maintenance requirements:

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.

Check Technical Data Sheet on www.tenmat.com

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

Yes No

If yes, description of the warning or ban under section 26:

FF102/50

Building Product

Information Sheet

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Advanced materials.
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Tenmat warrants the materials it produces will conform to Tenmat specifications and approved drawings where applicable. It is entirely the customer's responsibility to make the final product choice and satisfy themselves of the suitability of the product for the intended application, carrying out testing where required. For construction projects, all products which the customer is intending to use on a particular project must be approved in writing by the customer's building designer, system designer or design control professional, to ensure compliance with the latest regulations.

The information contained in Tenmat data sheets is presented in good faith. Tenmat Limited makes passive fire protection product suggestions based solely upon and limited to the information made available to Tenmat. Tenmat possesses knowledge of fire test data and offers manufacturers installation advice. Within reason, Tenmat is skilled at offering opinion concerning the installations in question, and can comment on interfaces with other construction materials, but this is not a recommendation or decision. Decisions on overall building fire strategy are not made by Tenmat. Tenmat products have been tested for a wide range of construction types, and they must be only used in accordance with Tenmat test evidence. Each specific Tenmat product must be installed into a construction that matches the corresponding test report. Tenmat product performance requires safe and proper handling and correct installation. For construction projects, all products which the customer is intending to use on a particular project must be approved in writing by the customer's building designer, system designer or design control professional, to ensure compliance with the latest regulations. Tenmat can provide the relevant fire test evidence on request.