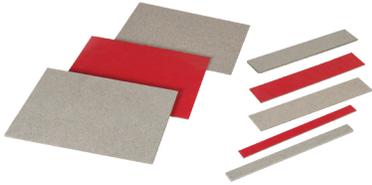


FF102



Tenmat FF102 is a rigid intumescent material that possesses excellent pressure generation and expansion performance.

FF102 is suited for a wide range of applications including fire seals for door and glazing applications, ironmongery protection, cladding & rain screen cavity fire barriers, construction joints and general gap sealing.

FF102 is a halogen free graphite based intumescent material which produces a particularly stable and resilient insulating char structure during and after expansion.

FF102 was also tested according to ASTM E84 (UL 723) to measure its surface burning characteristics and achieved a flame spread index of 0 (zero) and a smoke developed value of 0 (zero).

FF102 is available in a variety of thicknesses, from 2 mm up to 6 mm*, with or without self adhesive or PVC coatings. It can be supplied in sheets up to 2150 x 1050 mm, or alternatively it can be slit to a variety of widths and lengths within those dimensions.

Technical Data

Property	Units	Typical Value
Density	kg/m ³	924
Tensile Strength	MPa	3.08
Moisture Content	%	3 max
Free Expansion Ratio (@ 400 °C, 15 mins)		27:1
Activation Temperature (under 50 psi load)	°C	200
Pressure Generation Expansion @ 400 °C	Bar	20
Surface burning characteristics ASTM E84 (UL 723):	Flame Spread: 0	Smoke Developed: 0
Material Approval	UL	R40641

Dimensions

Standard Dimensions					
Thickness (mm)	2	3	4	5	6*
Thickness with self adhesive (mm)	2.3	3.3	4.3	5.3	6.3
Thickness with PVC coating (mm)	2.6	3.6	4.6	5.6	6.6
Width (mm)	1050	1050	1050	1050	1050
Length (mm)	2150	2150	2150	2150	2150

*Larger thicknesses above 6 mm may be available upon request. Please contact Tenmat for inquiries.

Safety Considerations

*Be sure the electricity to the system you are working on is turned off; either the fuse removed or the circuit breaker set at off.

CONTAINS STONE WOOL INSULATION

Stone fibers may cause temporary mechanical irritation to the skin, throat, nose and eyes.

FIRST AID

Skin

If irritation occurs, do not rub or scratch. Rinse under running water prior to washing with mild soap and water. Consult a physician if irritation persists.

Throat and Eyes

If irritation occurs, flush eyes with water and/or drink water to clear throat. Do not rub the eyes. Consult a physician if irritation persists.

PRECAUTIONS

Wear long sleeve, loose fitting clothing, gloves and eye protection. For additional information, refer to the Material Safety Data Sheet.

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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.

