

Rigid Intumescent Material

TENMAT FIREFLY 102 is a rigid intumescent material that possesses excellent pressure generation and expansion performance.

TENMAT FIREFLY 102 is suited to wide range of applications including as a fire seal for door and glazing applications, ironmongery protection, cladding & rainscreen cavity fire barriers, construction joints and general gap sealing.

TENMAT FIREFLY 102 is a halogen free graphite based intumescent material which produces a particularly stable and resilient insulating char structure during and after expansion.



TENMAT FIREFLY 102 is available in a variety of thicknesses, from 1.5 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.

STANDARD DIMENSIONS

	1.7	2	3	4	5	6*
Thickness (mm)	1.7	2	3	4	5	6*
Thickness with self adhesive (mm)	2	2.3	3.3	4.3	5.3	6.3
Thickness with PVC coating (mm)	2.3	2.6	3.6	4.6	5.6	6.6

* Larger thicknesses above 6 mm may be available upon request. Please contact **TENMAT** for enquiries.

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	900
Tensile Strength	MPa	4
Moisture Content	%	3 max
Free Expansion Ratio (@ 400 °C, 15 mins)		26:1
Activation Temperature (under 50 psi load)	°C	200
Pressure generation expansion (@ 400 °C)	Bar	16.0
Reaction to Fire Classification EN 13501-1		E
Material Approval (Baustoff Zulassung)	Zulassungsnr.	Z-19.11-1033

The information contained in this data sheet is presented in good faith. They are typical test results tested generally in accordance with BS 2782 and ASTM test methods and should not be used for specifications. **TENMAT** does not warrant the conformity of its materials to the listed properties or their suitability for any particular purpose. For further information please contact our Technical Sales Department on +44 161 872 2181.