

Flexible High Expansion Intumescent

TENMAT FIREFLY 107 is an exceptionally powerful intumescent which combines fast reaction with high expansion and pressure generation.

TENMAT FIREFLY 107 produces a solid char of good integrity.

It is suitable for a wide range of applications including penetration seals for pipes, pipe and duct fire wraps, fire collars, cladding and rainscreen cavity fire barriers and other construction joint and gap sealing applications where the high expansion characteristics lead to economical material usage.



STANDARD DIMENSIONS

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

TENMAT FIREFLY 107 is available in a variety of thicknesses from 3mm up to 6 mm* in sheets up to 2150 x 1050 mm, or alternatively it can be slit to a variety of widths and lengths within those dimensions. The material can be supplied with self adhesive backing, please speak to **TENMAT** if this is required.

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

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	630
Moisture Content	%	3 max
Free Expansion Ratio (@ 400 °C, 15 mins)		30:1
Activation Temperature (under 50 psi load)	°C	180 - 200
Pressure Generation Expansion @ 400 °C	Bar	17
Reaction to Fire Classification EN 13501-1		E
Material Approval (Baustoff Zulassung)	Zulassungsnr.	Z-19.11-1726

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.