

Flexible High Expansion Intumescent Material



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

TENMAT FIREFLY 107 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.

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.

STANDARD DIMENSIONS

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

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

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	634
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	26
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, ISO 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.

