

Compressible Intumescent Material



TENMAT FIREFLY 108 is a low density, compressible intumescent material which exerts relatively low pressure and free expansion characteristics. The low free expansion ensures an extremely solid and stable char structure is produced.

The material can be vacuum formed into a variety of shapes as well as being produced in sheet form.

It is suited to applications including expansion

joint and linear gap seals, cable basket protection, fire stop blocks and other construction joint applications.

TENMAT FIREFLY 108 can be supplied in sheet form up to 610 x 1000 mm or alternatively cut into strips within those dimensions. However the main benefit is that the product can be vacuum formed into a variety of shapes to suit client requirements and specification which allows the expansion direction to be controlled.

STANDARD DIMENSIONS

Thickness (mm)	10	20	30	40	50	60
Width (mm)	610	610	610	610	610	610
Length (mm)	1000	1000	1000	1000	1000	1000

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	216
Moisture Content	%	3 max
Free Expansion Ratio (@ 400 °C, 15 mins)		3.58:1
Activation Temperature (under 50 psi load)	°C	200
Pressure Generation Expansion (@ 400 °C)	Bar	5.0
Age Testing (30 years accelerated)		✓

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.

For further information please contact our Technical Sales Department on +44 161 872 2181.

