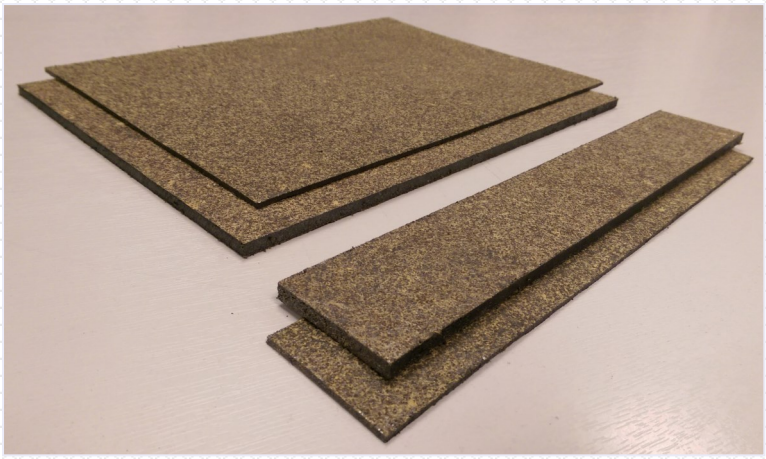
TENMAT
FIRE PROTECTION SOLUTIONS

FIREFLY 160

Tough Char Intumescent Material

TENMAT *FIREFLY* 160 is an industry leading intumescent material developed to provide outstanding expansion characteristics combined with exceptionally solid and durable char structure.



TENMAT *FIREFLY* 160 retains the fast reaction and high pressure generation characteristics whilst also offering a high level of controlled multi-directional expansion.

The resulting performance is ideally suited to the more onerous European (EN) Fire Testing of Pipe Penetrations where Uncapped/Uncapped (U/U) testing is required.

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

TENMAT *FIREFLY* 160 is available in a variety of thicknesses from 2mm 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 or PVC coatings.

GRADE	THICKNESS	TYPICAL SHEET WIDTH	TYPICAL SHEET LENGTH
FIREFLY 160	2 mm to 6 mm*	2150 mm	1050 mm

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

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m^3	1022
Moisture Content		3% max
Free Expansion Ratio (@ 450 °C, 15 mins)	Thickness Volume	42:1 60:1
Pressure Generation Expansion @ 450 °C	Bar	18.8
Activation Temperature (under 50 psi load)	°C	180-200

Technical Data Sheet