

Intumescent Paper



TENMAT FIREFLY 104E is a dark grey intumescent paper which generates high expansion and expansion pressure when exposed to fire or heat.

It is suitable for applications such as door and glazing seals, door hardware and ironmongery protection, damper seals, gap sealing or a variety of gasketing applications.

TENMAT FIREFLY 104E is highly flexible

allowing it to be wrapped or folded to suit various applications but produces an excellent char structure helping to maintain integrity throughout the fire.

TENMAT FIREFLY 104E is with or without self adhesive backing. It can be supplied in full rolls or alternatively slit to a variety of widths and roll lengths. The material is also suitable for gasket cutting.

STANDARD DIMENSIONS

Self adhesive	No	Yes	No	Yes	No	Yes
Thickness (mm)	0.5	0.8	1	1.3	1.8	2.1
Width (mm)	560	560	1120	1120	1120	1120
Length (m)	100	100	100	100	50	50

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	820
Moisture Content	%	3 max
Expansion (under 50 psi load)	%	131
Free Expansion Ratio (@ 400 °C, 15 mins)		23:1
Activation Temperature (under 50 psi load)	°C	200
Pressure Generation Expansion @ 400 °C	Bar	11
Reaction to Fire Classification EN 13501-1		E
Material Approval (Baustoff Zulassung)	Zulassungsnr.	Z-19.11-1721

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.

