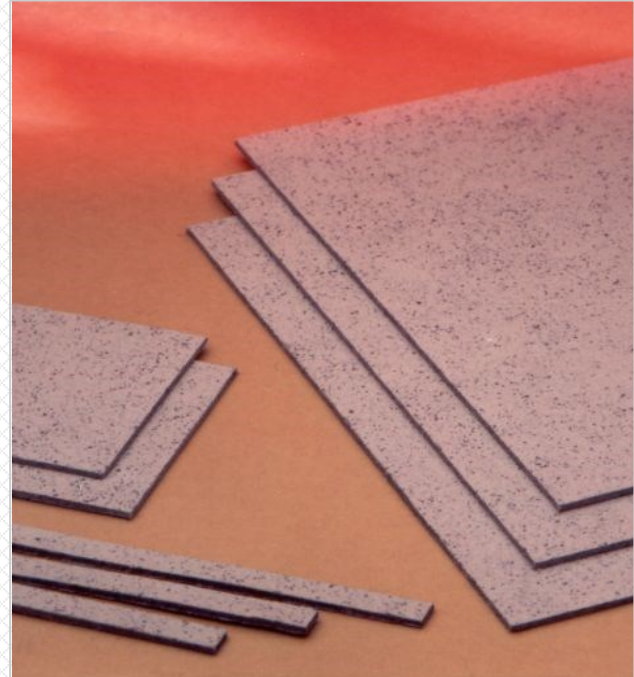


Rigid Intumescent Material

TENMAT FIREFLY 102B is a rigid intumescent material that possesses good pressure generation and mid-range free expansion performance.

TENMAT FIREFLY 102B is most commonly used as the intumescent core within air transfer grilles to maintain fire compartmentation in timber fire doors.

The material would also be suited to applications including as a fire seal for door and glazing applications, ironmongery protection, construction joints and general gap sealing.



STANDARD DIMENSION

Length (mm)	2150
Width (mm)	1050
Thickness (mm)	2.3
Thickness with self adhesive (mm)	2.6
Thickness with PVC coating (mm)	2.9

TENMAT FIREFLY 102B is available with or without self adhesive backing or PVC coating. It can be supplied in sheets with maximum dimensions of 2150 x 1050 mm, or alternatively it can be slit to a variety of widths and lengths within those dimensions or slotted to build up into a air grille matrix.

PROPERTY	UNITS	TYPICAL VALUE
Density	kg / m ³	900
Tensile Strength	MPa	3
Moisture Content	%	3 max
Free Expansion Ratio (@ 450 °C, 15 mins)		17:1
Activation Temperature (under 50 psi load)	°C	200
Pressure generation expansion (@ 450 °C)	Bar	14.0
Reaction to Fire Classification EN 13501-1		E
Material Approval (Baustoff Zulassung)	Zulassungsnr.	Z-19.11-1033

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.