

Compressible Intumescent Material



TENMAT FIREFLY 109 is a highly compressible intumescent material which expands to form a resilient and stable char. The material is available in sheets or alternatively in formed shapes.

TENMAT FIREFLY 109 is a lower density material with lower expansion characteristics; this allows the material to function in a controlled manner without the need

for additional restraints. Applications include pipe, cable basket, vent duct, or downlight penetration seals.

TENMAT FIREFLY 109 is available supplied in 610 x 1000 mm sheets with 10-60 mm thickness, or alternatively it can be cut into strips or vacuum formed into various shapes. FF109 can be covered with aluminium foil, latex coated, or encapsulated in polythene.

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	200
Moisture Content	%	3 max
Free Expansion Ratio (@ 450 °C, 15 mins)		5:1
Activation Temperature (under 50 psi load)	°C	200
Thermal Conductivity ISO 8301:1991 and	W / mK	0.0343
Reaction to Fire Classification EN 13501-1		E
Material Approval (Baustoff Zulassung)	Zulassungsnr.	Z-19.11-1735

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.