

FR Graphite High Expansion Sealant



DESCRIPTION

FIREFLY® FR Graphite is a high expansion, pressure exerting sealant, used to provide a fire-rated seal to joints, gaps and around penetrations, tested to BS EN 1364 and BS EN 1366.

USE AREAS

FIREFLY® FR Graphite High Expansion Sealant is designed to restore/maintain fire resistance when voids have been created by a combustible material burning away.

Sealant for penetrations of plastic pipes, single/bunched cables, cable trays and insulated metal pipes.

Suitable to close off gaps in penetrations where collars or wraps have not been used.

FIREFLY® FR Graphite High Expansion Sealant can also be used when installing a **FIREFLY® FB180 Batt** system, in order to provide a tested and certified solution.

KEY BENEFITS

- Up to 4 hours fire protection
- High expansion factor of up to 700% to fill voids of up to 80mm
- Suitable for penetration seals around insulated metal pipes, plastic pipes, cables and cable trays and for closing voids left by combustible materials
- Can be used with both rigid and flexible substrates
- Can be used as an integral component of a tested **FIREFLY® FB180 Ablative Batt** system
- Smoke, gas and water resistant, but easy to clean as water based
- Does not generate volatiles as it is a water based formulation

PRODUCT NAME	FIREFLY® FR Graphite High Expansion Sealant
TESTING	BS EN 1366-3, fire resistance of penetration seals BS EN 1364- 1, fire resistance for non-loadbearing elements – Walls BS EN 1364- 2, fire resistance for non-loadbearing elements – Floors ASTM (E2786-10)
APPLICATION	Vertical & horizontal use Fills voids up to 40mm with a low sag flow pH 7.5 – 8.5
FINISH/COLOUR	Graphite grey Skin time: 15 – 30 minutes (23°C/50% RH) Cure time: 3mm/24 hours depending on joint size and situation Painting, suitable after cured
PACKAGING	310ml cartridge Shelf life: 18 months in unopened container Coverage: 1 tube equals approximately 12 metres @ 6mm bead
ADDITIONAL DATA	Storage: cool, dry place – protect from frost Specific Gravity: 1.46 – 1.54g/cm ³ Application Temperature: +5 – +40°C Activation Temperature: 150°C Shore A Hardness: Approx. 60
LIMITATIONS	Not suitable for use with cPVC pipes

