STATES FIREFLY

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 fomulation

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/cm3 Application Temperature: +5 - +40°c Activation Temperature: 150°c Shore A Hardness: Approx. 60
LIMITATIONS	Not suitable for use with cPVC pipes



024-1 - All FIREFLY™ contry barrier products insistice installed in compar-IREFLY™ Installation Guide, which is provided upon request. For larger install to the relevant product drawings 017 & 018. Contact the manufactu fication on non-standard installations. Deviation from these drawings should ed out without written authority from the FIREFLY™ Technical Depar

All figures quoted are nominal, believed to be true at the time of printing and are presented without quarantee. It is up to the user to determine the suitability of use

+44 (0) 1706 758817 tbafirefly.com

sales@tbafirefly.com technical@tbafirefly.cor

TBA Protective Technologies Limited, Unit 3, Transpennine Trading Estate, Gorrells Way, Rochdale, OL11 2PX, UK