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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 EN 1363-3.

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 40mm
- 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
- Flexible formulation, tolerates movement of up to +/- 12.5% when fully cured
- 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 ASTM (E2786-10)
APPLICATION	Vertical & horizontal use Fills voids up to 40mm with a low sag flow ISO 11600:2002, movement +/- 12.5% accommodation 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: 12 months in unopened container Coverage: 1 tube equals approximately 1 metre @ 20 x 15mm 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

09/23-1 - All **FIREFLY™** cavity barrier products must be installed in compliance with the FIREFLY™ Installation Guide, which is provided upon request. For larger installations, refer to the relevant product drawings 017 & 018. Contact the manufacturer for clarification on non-standard installations. Deviation from these drawings should not be carried out without written authority from the **FIREFLY™** Technical Department.

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

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