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High Temperature Adhesive



DESCRIPTION

FIREFLY® High Temperature Adhesive is a silicate based material used to seal or bond **FIREFLY®** barriers and ancillaries exposed to very high temperatures, drying to a cement-like finish with a continuous operating temperature of up to 1250°C.

USE AREAS

Designed primarily to be used within the installation of a **FIREFLY®** flexible fire barrier system. High Temperatre Adhesive is used as a system component to seal around penertrations through the barrier and also between layers of barriers and other materials such as **FIREFLY®** Collaroll and Penowrap to achieve a smoke seal.

Applied via a standard cartridge, the HTA will provide a rigid seal around these penetrations once dry.

KEY BENEFITS

- **FIREFLY®** High Temperature Adhesive dries to a cement-like finish with good adhesion to many surfaces including glass fibre, metal, concrete, stone and ceramic.
- Suitable for use where resistance to flame is required, with an operating temperature up to 1250°C.
- Very widely used product to provide a penetration seal around the most commonly encountered materials.
- HTA dries to a solid ceramic mass above 800°C which is resistant to thermal shock.
- **FIREFLY®** fire barrier systems are tested and certified using **FIREFLY®** HTA.
- Product is tested to BS476 Part 4 & EN 1366.
- Supplied as a ready to use 310ml cartridge.

PRODUCT NAME	**FIREFLY®** High Temperature Adhesive
PHYSICAL PROPERTIES	**Chemical Type:** Silica based ceramic compound **Colour:** Red tint **Viscosity:** 1400m. Pa.s. **Temp. Resistance:** Up to 1250°C Non toxic, non hazardous Good electrical resistance Solvent resistance to most non-aqueous chemicals CURING High Temperature Adhesive
COMBUSTIBILITY	BS 476 PART 4: 1970 Classified as non-combustible
SPECIFICATION	Meets requirements of EN1366 & BS476, tested as a system Suitable for vertical and horizontal use **FIREFLY®** High Temperature Adhesive has a light red tint to the product to enable easier identification on site surveys and better traceability to ensure fully certified systems are installed on site
CURING	Curing is at ambient temperature. The time will depend on particular assembly, but allow 24 hours
PACKAGING & STORAGE	Available in 310ml standard gun cartridges. Store material in original containers only. Store between 5°C and 25°C for maximum shelf-life. A shelf-life of 24 months may be expected
LIMITATIONS	Not suitable for use around plastics where flexing may occur; in this scenario use **FIREFLY®** FR Graphite High Expansion Sealant instead.

11/23-1 - 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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