

Article Overview

Fireproof bricks, blocks, and intumescent devices are used to protect cable trays from fire, smoke, and heat penetration, ensuring compliance with fire safety standards.

Types of Fireproof Bricks and Blocks

1. Firestop Blocks (CFS-BL) These are pre-formed blocks designed to seal openings around cable trays, preventing fire and smoke spread. They are available in various shapes such as bricks, plugs, or cushions and are suitable for both new construction and retrofits. They are UL or ETA certified for firestop applications and can be used in concrete, gypsum, or other fire-rated walls . 2. Intumescent Blocks Intumescent urethane foam blocks expand when exposed to high temperatures, filling gaps and impeding fire, smoke, and gas passage. Products like the EZ-Path Cable Tray Retrofit Device allow stacking in a brick-like fashion around cable trays, providing up to 100% visual fill and restoring fire resistance without additional sealants . 3. Moldable Putty and Caulks For smaller penetrations or irregular openings, moldable putty or intumescent caulks can complement fireproof bricks. These materials adhere to surfaces, conform to shapes, and block heat penetration, protecting both the cable tray and surrounding structure .

Installation Considerations

- o Sizing: Ensure the fireproof block or brick is sized to cover the opening around the cable tray, typically 1.5 inches larger than the tray on all sides for optimal protection .
- o Stacking and Compression: Intumescent blocks are often compressed and stacked to fill the opening completely.
- o Compatibility: Check that the product is compatible with the wall type (concrete, gypsum, or other fire-rated assemblies) and cable tray style (ladder, solid bottom, or channel).
- o Certifications: Use products with UL, ETA, or other recognized fire ratings to ensure compliance with local fire codes and standards .

Advantages

- o Rapid Installation: Pre-formed blocks and retrofit devices allow quick installation without disrupting active cable systems.
- o Fire and Smoke Containment: Blocks and intumescent materials prevent fire spread along cable trays and protect structural elements.
- o Reusability: Some systems, like the EZ-Path device, can be reused for additional cables or retrofits . Using fireproof bricks or blocks for cable trays is essential for maintaining fire-rated penetrations, protecting electrical infrastructure, and ensuring compliance with safety regulations. Selecting the right type depends on the wall construction, tray size, and whether the installation is new or a retrofit.

Fireproof bricks for fire cable trays

Categories AF Brick Fireproof brick for mechanical and electrical installation penetrations DIRECT APPLICATION Cable tray,

When protecting your facility from the dangers of fire, you can't afford to take any chances. That's where EZ-Path comes in. The

For example, a cable tray may contain electrical cables powering essential services that are

Learn about essential fire safety measures for cable trays to safeguard your electrical infrastructure. Discover expert

Cable trays are intended for the construction of fire-resistant cable paths with surface cable laying. Cable

In the power industry, the installation of fire-blocking sections (fire-proof sections/fire-proof

Envirobrick expands and seals voids and spaces in a fire, providing up to 2 hours of fire protection. Suitable for sealing around pipes,

Fire Rated Cable Trays that are crafted from premium materials like stainless steel, galvanized steel, tempered glass, and fire

Use this product in new construction or update your fire protection in a renovation - the optional mounting bracket opens easily

Learn how Cable Trays and Fire Protection Systems work together. They protect cables and help fire alarms,

Firestopping penetrations for co-axial cables Optimal for rooms with dust- and fibre-free requirements and areas with frequent

Because it is easily compressible, this product can create barriers with a perfect tightness against smoke

This video shows you how to install Hilti CFS-BL firestop blocks in a large opening

Fire protection solutions to protect cables, cable trays and cable systems. Discover our tested cable

These easy and modular bolt-on fireproof barriers surround cable tray arrangements to protect from fire, and blasts to

Fireproof bricks for fire cable trays

Fire protection for cables and cable trays: effective solutions to prevent cable fires Cable systems are

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