

Price of sealing fireproof openings in cable trays

Article Overview

The cost of fireproof sealing for cable trays varies widely depending on the product type, fire rating, and installation complexity, typically ranging from \$0.50 to \$50 per unit or linear foot.

Types of Fireproof Sealing Solutions

- o **Intumescent Fireproof Pillows** Products like AF BAGS are designed for cable tray penetrations and provide fire resistance up to EI 240 (EN 1366-3). They are easy to install, repositionable, and suitable for walls, floors, and sandwich panels. The sealing depth for cables up to 21 mm is typically 120 mm, and the cost depends on the number and size of pillows required for the penetration .
- o **Fireproof Sealants and Coatings** Fireproof sealants, such as intumescent acrylics, silicone, or polyurethane foams, are applied around cable trays to prevent flame and smoke propagation. Prices vary based on fire rating (e.g., 2-hour or 4-hour), coverage rate, and material type. For example, bulk polyurethane foam can start at \$0.58 per unit for large orders, while high-performance intumescent sealants can cost significantly more .
- o **Cable Fire Protection Coatings** Coatings like FLAMMOTECT-A or DG-CR 0.7 provide a protective shield around cables and trays, enhancing resistance to fire, UV, moisture, and chemicals. These are typically used in industrial, offshore, or sensitive facilities. Pricing is project-specific and depends on the surface area, number of cable trays, and environmental conditions .

Factors Affecting Cost

- o **Fire Rating Requirements:** Higher EI ratings (e.g., EI 240 vs EI 120) increase material and labor costs.
- o **Cable Tray Size and Number of Penetrations:** Larger trays or multiple penetrations require more pillows or sealant.
- o **Installation Complexity:** Access, wall/floor type, and need for scaffolding or specialized labor can increase costs.
- o **Material Type:** Intumescent pillows, silicone sealants, and high-performance coatings differ in unit cost.
- o **Supplier and Certification:** Products with UL, EN, or CE certifications may be more expensive but ensure compliance with safety standards .

Typical Price Ranges

- o **Intumescent pillows:** \$5-\$50 per pillow depending on size and fire rating.
- o **Sealants (acrylic, silicone, polyurethane):** \$0.50-\$10 per linear foot or per tube, depending on coverage and fire rating.
- o **Fireproof coatings:** \$10-\$50 per square meter, depending on thickness and environmental resistance requirements. For precise pricing, it is recommended to contact suppliers directly with project specifications, including cable tray dimensions, number of penetrations, and required fire rating, as costs vary significantly by

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region and project scale .

FIRSTO firestops are designed to seal multi-cable and cable tray penetrations of fire-rated walls and floors. FIRSTO fire stops are

Firestopping Cable Installations Don't introduce fire hazards when working on a new project. Ensuring your cable runs don't

Description Cable Tray Pillow A reinforced, glass cloth intumescent cable tray pillow, filled with a fireproof sponge as well as

Fire Rated Cable Coatings and Penetration Sealing Protective Coating Systems are specialists in Fire

FIRSTO firestops are designed to seal multi-cable and cable tray penetrations of fire-rated walls and floors.

Cable trays should not pass through a fire rated wall because the metal tray can conduct heat through the wall and may ignite

Prices vary for Hawaii, Alaska and US Territories. For approval or certificate information, please see individual items.

Firestop pillows, plugs, sheets, and wraps fit around ducts, cable trays, and pipe openings in walls, ceilings, and floors to prevent fire

Fire stopping around cables. Learn about materials, methods and regulations to maintain

Sinisi Solutions works with major utilities and clients to design cable enclosures that protect critical cabling and cable tray setups

Fire stopping of cable penetrations Avoid cable fires and stop them safely! KBS ® offers various solutions to effectively protect cable

Cable penetration seal up to EI 120 for rigid walls, rigid floors and flexible walls. Through penetration

AF BAGS are intumescent and ablative fireproof pillows certified under EN 1366-3 for EI 120/180 sealing of

Firestopping through concrete barriers, installing wall boxes and using cable trays are the most common problems in this area.



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Learn how fire protection for cable trays enhances industrial safety by preventing fire hazards in critical areas and

Find top-rated fire sealant for cable tray with up to 4-hour fire rating, halogen-free, smoke-tight seals. Click to explore

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