

How to price fireproof sealing of cable trays



AI Overview

Fireproof sealing for cable trays typically ranges from \$20 to \$150 per unit depending on type, fire rating, and size.

Types of Fireproof Sealants

- Intumescent Firestop Pillows**
Examples: AF BAGS, 3M Fire Barrier Moldable Putty
+Fire ratings: EI 120 to EI 240 (EN 1366-3)
Features: Repositionable, suitable for cable diameters up to 21 mm, easy installation in walls, floors, and sandwich panels
Typical cost: \$20-\$80 per pillow depending on size and certification
- Firestop Caulks and Putty**
Examples: IC 15WB Caulk, 3M moldable putty sticks
Fire ratings: 1-3 hours F-rating, 0-3/4 hour T-rating
Features: Applied with caulking gun, adheres to most surfaces, halogen-free, intumescent properties to block heat penetration
Typical cost: \$30-\$60 per tube (300-600 mL), coverage depends on tray size and wall thickness
- Firestop Sheets and Wraps**
Used for larger cable trays or multiple penetrations
Features: Flexible, can be combined with caulks or pillows for complete sealing
Typical cost: \$50-\$150 per sheet depending on material and thickness

Factors Affecting Price

- Fire Rating:** Higher ratings (e.g., 4-hour vs 2-hour) increase cost
- Material Type:** Silicone, acrylic, or foam-based sealants vary in price
- Tray Size and Number of Penetrations:** Larger trays require more material or multiple pillows
- Installation Method:** Pre-formed pillows are faster to install but may cost more per unit; caulks require labor time
- Certifications:** UL, EN 1366-3, or ETA markings can affect pricing
- Supplier and Lead Time:** Custom orders or fast delivery may increase cost

Estimating Total Project Cost

- Measure cable tray dimensions and penetration size
- Determine required fire rating and select appropriate product type
- Calculate number of pillows, tubes, or sheets needed
- Multiply unit cost by quantity and add labor/installation costs

For example, sealing a medium-sized 4" x 12" tray through a 7" x 15" wall opening may require 2-4 intumescent pil...

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Intumescent cable tray pillow

Expands to 3 times its original size when exposed to fire, filling gaps in or around cable trays in fire-rated walls, floors or ceilings. The pillow expands at low pressure, locking together to seal off fires, whilst

Firestop

Use this product in new construction or update your fire protection in a renovation - the optional mounting bracket opens easily allowing retrofit installations. As your needs change, reuse the device

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FIRSTO firestops are designed to seal multi-cable and cable tray penetrations of fire-rated walls and floors. FIRSTO fire stops are developed as a modular system

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Fireproof pillow for cable tray penetrations

AF BAGS are intumescent and ablative fireproof pillows certified under EN 1366-3 for sealing up to EI 240 of cable tray penetrations.

Contact Us

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