

How to seal fireproof putty inside cable trays



Overview

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

Key Takeaways

To seal fireproof putty on cable trays, ensure all gaps around the tray are tightly filled with UL-listed firestop putty or caulk, use backing plates for large openings, and maintain continuous coverage without cracks or voids. Step-by-Step Guidance

1. Prepare the Opening Before applying putty, ensure the wall or floor penetration is clean and free of debris. For large openings, install a fire-resistant backing plate to support the putty and maintain structural integrity during a fire event . 2. Select Appropriate Firestop Materials Use UL-listed firestop putty sticks (e.g., 3M FSP-MPS) or firestop caulk suitable for cable tray penetrations. These materials are pliable, conformable, and adhere well to metal and non-metal surfaces . For multi-cable or large tray penetrations, consider modular firestop systems like FIRSTO or SLIPSIL for enhanced sealing . 3. Apply the Putty

- Mold the putty around the cable tray, filling all gaps between the tray and the wall or floor.
- Ensure the putty completely surrounds the tray and penetrates any voids.



- For trays passing through walls, extend the putty about 12 inches on each side of the penetration if using covers, allowing drywall or finishing work to be completed without compromising the seal . 4. Install Fire Partitions or Barriers For long cable trays, install fire partitions every 20 meters to limit fire spread along the tray . This can be done using fire-rated boards or intumescent barriers. 5. Inspect and Finish
 - Check for visible cracks or voids; the seal must be continuous and reliable.
 - Cover plates should be square, evenly painted, and properly aligned to protect the putty and maintain fire integrity .
 - For retrofits, split sleeves or modular inserts can be used to add putty around existing cables without removing them . 6. Optional Coatings Spraying fire-retardant paint on cable bundles near exits or high-risk areas can provide additional protection, complementing the putty seal .
- Key Considerations
- Maintain UL or local code compliance by using approved firestop materials.
 - Ensure packing thickness and gap coverage meet fire-rating requirements (e.g., 20–30 mm for slab penetrations).
 - Reuse or adjust modular systems if cable configurations change, ensuring ongoing fire protection . By following these steps, you can effectively seal cable tray penetrations with fireproof putty, preventing fire and smoke spread while maintaining compliance with fire safety standards.

Article Content

Cable Tray Penetrations: Problem Solved!

A simple and effective solution would be “Sleeve Systems.” where cable trays are stopped a few feet short of the fire barrier, a sleeve

How to seal fireproof putty inside cable trays

Install fire-resistant wraps, blankets, and coverings around cable trays and conductors. Build fire-rated enclosures around tray runs,

Firestopping Requirements for Cable Trays and Wall/Slab Penetrations

Sealing shall be tight and reliable, without visible cracks or voids. For large openings, install a fire-resistant backing

Tips for sealing cable trays with fireproof putty

Install fire-resistant wraps, blankets, and coverings around cable trays and conductors. Build fire-rated enclosures around tray runs,

Firsto System | CSD Sealing Systems

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

Retrofit Sleeves for Cable Violations | Firestop Putty

Fix existing cable and wire firestop violations fast with UNIQUE retrofit split sleeves built for clean, code-ready corrections. Add the

Plan, Install & Firestop Cable Penetrations

n the tray is designed to carry the cables. The area around the trays can usually be sealed using a less expensive, more permanent

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

How Does Fire Protection for Cable Trays Contribute to Overall ...

Properly protected cable trays help to prevent the spread of fire, reducing damage and safeguarding both personnel

Cable Tray Sealant Putty

Cable tray sealant putty is a fire-resistant, pliable material used to fill gaps in cable trays, preventing the spread of fire, smoke, and

Firestopping cable openings helps safeguard buildings and occupants

Using approved firestop methods and materials, such as special caulk, putty, wrap strips or fire-barrier sheets, can

Plan, Install & Firestop Cable Penetrations

Firestop mortar around the tray and pillows within the tray area provide an economical solution for these firestop

3M™ Fire Barrier Putty Sleeve Kits | 3M United States

3M™ Fire Barrier Putty Sleeve Kits are designed to help prevent the passage of fire and smoke in new or existing cable penetrations

SpecSeal SSP Putty & Putty Pad

SpecSeal® SSP Firestop Putty is a high-performance, non-hardening intumescent firestop putty designed to seal cable penetrations

CSD Sealing Systems: Firestops

Multi-cable and Cable-tray Firestop Penetrations CSD FIRSTO® firestops are designed to seal multi-cable and cable tray

How to effectively fire seal pipe and cable penetrations

A serious point of attention are the pipe and cable penetrations through the fire resistant walls and ceilings that divide the building

Fire Rated Cable Coatings and Penetration Sealing

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

Cable Tray Penetrations: Problem Solved!

Maintaining them will be expensive and time consuming. In many areas on the west coast, there are seismic considerations when a

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

