

How to seal cable trays with fireproof putty



Summary of Content

Use approved firestop putty, ensure tight and complete sealing around cables, and follow layering and inspection best practices to maintain fire-rated integrity.

Material Selection

Choose fire-rated putty or caulk specifically designed for electrical penetrations, such as 3M Fire Barrier Moldable Putty+ or intumescent caulks. These materials expand under heat to seal gaps and prevent fire and smoke spread . For larger openings, consider using fire-resistant backing plates or wrap strips to support the putty and ensure complete coverage .

Preparation

- Measure openings accurately: Reserve openings slightly larger than the cable tray dimensions (typically 100–200 mm extra) to allow proper sealing .
- Clean surfaces: Remove dust, debris, and moisture from the tray edges and wall or floor penetration to ensure good adhesion .
- Install backing plates if needed: For large gaps, a fire-resistant plate provides a stable surface for putty application .

Application Techniques

- Layering: Apply putty in layers, pressing it firmly around each cable and tray edge to eliminate voids .

Article Content

Cable Tray Penetrations: Problem Solved!

In many areas on the west coast, there are seismic considerations when a cable tray is passed through a fire wall. If a cable tray is

Firestopping Requirements for Cable Trays and Wall/Slab Penetrations

Firestop packs should be placed in an orderly sequence. The gap area between firestop packs and cables should not

How to seal fireproof putty inside cable trays

There are two ways that the method an installer uses to run cabling can limit problems and provide a better long-term solution to fi

3M Fire Barrier Products for Cable Tray Systems

This document outlines the 3M Fire Barrier product line, designed to provide effective firestopping solutions for cable tray systems

Tips for sealing cable trays with fireproof putty

There are two ways that the method an installer uses to run cabling can limit problems and provide a better long-term solution to fi

How to Seal Cable Entry Holes | 5 Proven Techniques

Cable entry holes are necessary to feed important cables and wiring through a wall, but these holes must be sealed properly for

How to Firestop a Cable Tray — Pillows, Sealant & Coating | Firestop ...

Firestopping a cable tray through a rated wall or floor: re-enterable pillows, intumescent sealant and C70 cable coating — and how to

Firestop

3M Fire Barrier Moldable Putty+ is a one-part, halogen-free product designed to firestop electrical outlet boxes and a wide variety of

Where to seal cable trays with fireproof putty

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

FirePro® SpeedSeal is a putty-based penetration seal

FirePro® SpeedSeal is a putty-based fire-resistant penetration seal that is used to reinstate the fire resistance of flexible and rigid

Contact Us

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