

Can fireproof putty be used to seal cable trays

Article Overview

Fireproof putty is recommended for sealing cable trays to prevent fire and smoke spread, providing up to 4 hours of fire protection when properly applied.

Purpose and Benefits

Fireproof putty, such as 3M(TM) Fire Barrier Moldable Putty Stix MP+ or Hilti CP 619 T, is designed to seal openings around cable trays, conduits, and cables passing through fire-rated walls or slabs. It helps contain fire and smoke at the source, reduces heat penetration, and maintains the integrity of fire-rated assemblies . The putty is pliable, conformable, and adheres well to most construction substrates, including metal and plastic, making it suitable for various cable tray configurations .

Application Guidelines

- o Opening Preparation: Ensure the floor or wall finishes are complete and the shaft doors are installed. Large openings may require a fire-resistant backing plate before applying putty .
- o Sealing: Mold the putty directly onto the substrate or around cables and trays. The material should fill all gaps tightly, leaving no visible cracks or voids .
- o Thickness and Coverage: Follow manufacturer specifications for minimum thickness and coverage. For example, 3M putty sticks provide up to 4 hours of fire protection and are re-enterable for future cable additions .
- o Compatibility: Fireproof putty is compatible with synthetic cable jackets, steel or plastic electrical boxes, and can be used in both new construction and retrofits .

Fire Ratings and Standards

- o 3M Moldable Putty Stix MP+ are tested up to 4 hours in accordance with ASTM E 814 (UL 1479) and up to 2 hours per ASTM E 119 (UL 263) when installed according to UL wall-opening listings .
- o Hilti CP 619 T and similar products are UL-listed and designed to prevent fire and smoke spread through large openings .

Practical Tips

- o Use enough putty to completely fill the gap around the cable tray; for example, 3M recommends two sticks per opening for standard installations .
- o Ensure orderly placement of firestop packs or putty to maintain consistent coverage and allow for maintenance or future cable additions .

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o Verify that the putty adheres well and remains pliable over time, as aging properties are important for long-term fire protection . Using fireproof putty correctly ensures that cable tray penetrations meet fire safety codes, maintain structural integrity, and provide reliable protection against fire and smoke spread.

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

Cable penetrations and fire safety There are many different types of cables and cable penetrations that can

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

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

SpecSeal®; SSP Firestop Putty is a high-performance, non-hardening intumescent firestop putty designed

3MTM Fire Barrier Pillows Can be used to seal cables, cable trays and blank openings. Affordable general-purpose sealant used with

Where cables pass through shafts, walls, slabs, or enter electrical panels or cabinets, openings shall be tightly sealed

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

Putties allow services to be easily sealed in areas where sealant guns are difficult to use. In a fire, putties form an insulating

Sealing Cable Entries: When cables go into the tray, we use special explosion-proof fittings

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

Learn how to fire seal an electrical box effectively with putty pads in this step-by-step guide. Ensure maximum fire

The mostly combustible cable sheaths and insulation allow a fire to spread along the cable at rapid speed.

FirePro®; SpeedSeal is a putty-based fire-resistant penetration seal that is used to reinstate the fire

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resistance of flexible and rigid

1. Product Description 3MTM Fire Barrier Moldable Putty+ consists of a synthetic elastomer designed for use as a one part,

Seal gaps between cables in multiple penetrations (including fiber optic inner duct) Insulated pipe, electrical conduit and metal pipe

Web: <https://www.millstraining.co.za>

