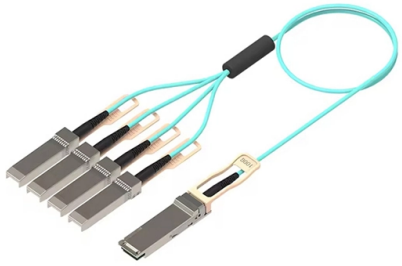
# Is it okay to use fireproof putty when making cable trays



## Overview

FP-04+ securely blocks flame and is designed to seal large penetrations through fire-rated walls and floors.

## Key Takeaways

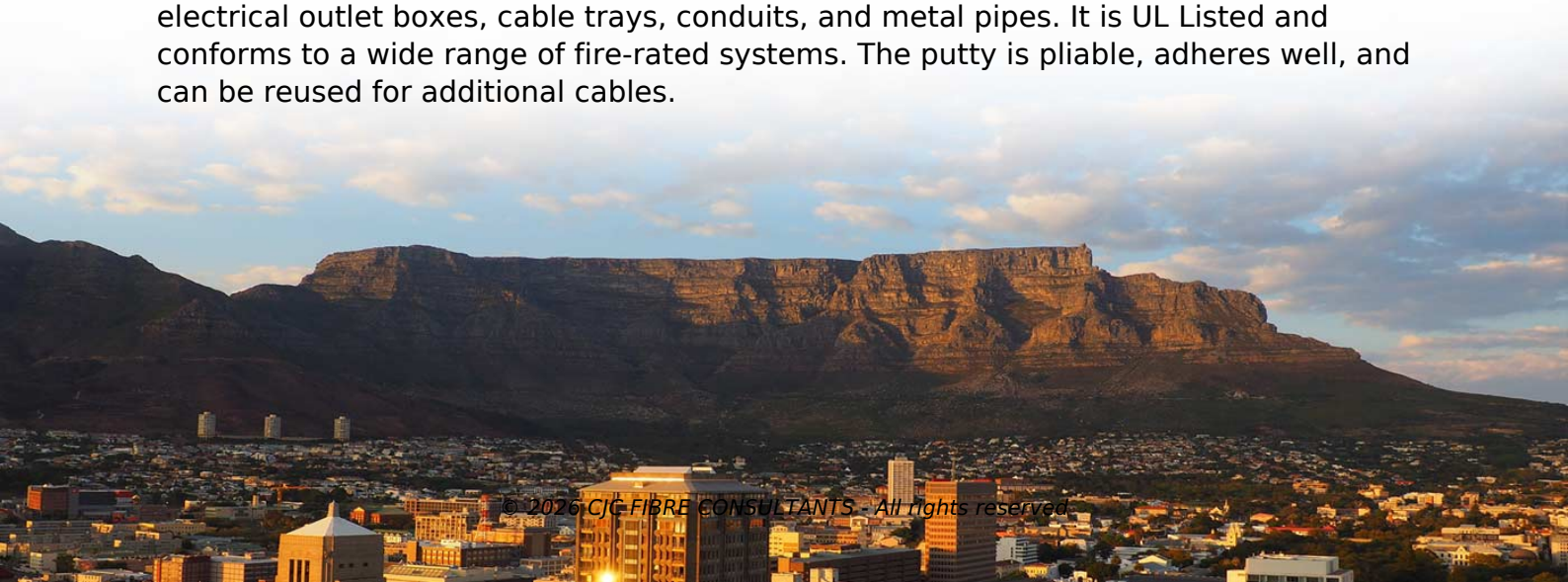
Fireproof putty is used to seal cable tray penetrations, preventing the spread of fire and smoke while maintaining compliance with UL and European fire safety standards.

## Overview

Fireproof putty, also known as firestop putty or moldable fire barrier, is designed to seal openings around cable trays where they pass through fire-rated walls, floors, or ceilings. It is pliable, easy to mold, and adheres to most surfaces, providing a reliable barrier against flames, heat, and smoke penetration. These putties are suitable for both new construction and retrofit applications.

## Common Products and Types3

M Fire Barrier Moldable Putty+: A one-part, halogen-free putty that can firestop electrical outlet boxes, cable trays, conduits, and metal pipes. It is UL Listed and conforms to a wide range of fire-rated systems. The putty is pliable, adheres well, and can be reused for additional cables.



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KBS® FR Caulking and Foamcoat HS: European-certified solutions for sealing cable penetrations, including complex cable systems and support constructions. These products are tested to DIN 4102-9 and EN 1366-3 standards, offering fire resistance up to EI120 for double-panel systems. Hilti Firestop Putties: Available as pads, sticks, and cable discs, these products are quick to install and suitable for small cable penetrations or outlet boxes, reducing the need for complex approvals.

Organic Firestop Sealants: Available from suppliers like Alibaba, these putties are marketed for cable tray fireproofing and can be customized for specific tray sizes and configurations.

## Installation Guidelines

Measure the Opening: Ensure the opening around the cable tray is slightly larger than the tray dimensions to allow proper placement of putty or pillows. Apply Pliable Putty: Mold the putty around the cables or tray edges, filling all gaps to create a continuous fire barrier. For larger openings, combine putty with firestop pillows or mineral fiber boards.

Check Compliance: Use UL Listed or EN-certified products to meet local fire safety codes. For unusual tray sizes or configurations, consult the manufacturer for engineering judgment letters or technical guidance. Retrofit and Maintenance: Many putties are reusable, allowing for cable additions or replacements without compromising fire protection.

## Key Considerations

Tray Type: Ladder, solid-bottom, or perforated trays may require different sealing approaches. Fire Rating: Ensure the putty system matches the required F-rating (flame) and T-rating (temperature) for the wall or floor penetration. Environmental Conditions: Some putties are suitable for high humidity or outdoor use, while others are intended for indoor applications only.

Compatibility: Verify that the putty adheres to the tray material (steel, aluminum, or fiberglass) and surrounding construction surfaces. Using fireproof putty effectively ensures that cable tray penetrations do not compromise the fire integrity of walls or floors, maintaining safety and compliance in industrial, commercial, and residential installations.

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## Article Content

Can fireproof putty be used on cable trays

These easy and modular bolt-on fireproof barriers surround cable tray arrangements to protect from fire, and blasts to keep the cables themselves unharmed while still allowing easy access

FM011 Moldable Firestop Putty – MEGATRENDS I&C

FP-04+ securely blocks flame and is designed to seal large penetrations through fire-rated walls and floors. It is also used for shielding cable trays, conduit, HVAC and vital process

Non-Setting Putty

NS Fire® Putty is a solvent free putty for fire barriers up to 4 hours. It is designed as a joint filler and sealer for use in penetration seals. Tested to EN1366-3 on C1, C2 and D1 Type Cables, Cable Trays

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 exceed 1 cm2, and the packing thickness should be not less than 24

Firestopping cable runs

Place the wrap on each side of the breached wall and around the tray and cables, filling any large openings between the cables and the tray. Then place additional strips around the opening to ensure

FSPG Putty – FSPG

FSPG Putty is a non setting silicone designed to remain flexible allowing for thermal and mechanical movement of services around complete and irregular shapes through wall and floor where fire

Fire Putty

Fire Putty is intended for fire sealing in fire class EI 60 to EI 120 of cables and metal pipes in wall structures. It is ideal for single penetrations where a simple and cost-effective solution is required.

SpecSeal SSP Putty & Putty Pad

Its soft, moldable formulation allows installers to quickly hand-form the putty around grouped cable bundles, creating a re-enterable firestop seal that supports future cable moves, adds, or changes

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FM012 Firestop Putty – MEGATRENDS I&C

FM012 Firestop Putty is used to protect penetrations such as cable bundles, conduits, metallic pipes, plastic pipes, busways and air ducts with up to a 3-hour fire resistance rating.

Best Fireproof Putty for Cable Holes: Your Guide

The best fireproof putties are formulated to remain stable and effective across a wide temperature range. This means they won''t melt, degrade, or lose their sealing properties, even when

Fire-Resistant Cable Trays in High-Risk Environments

This article will delve into the best cable tray materials for fire-resistant installations, offering valuable insights for professionals involved in

How to Prevent Fire and Electric Hazards in Cable Tray Systems: A ...

Safety of a cable tray is not a matter of compliance with codes, but a matter of saving human life and billions of dollars'' worth of infrastructure. Poorly fitted trays may serve as a fuse in

Firestopping cable runs

Firestopping through concrete barriers, installing wall boxes and using cable trays are the most common problems in this area. Firestopping cable trays is particularly difficult because of the irregular size and

Firestop

The following charts give the number of 3M pillows needed to completely firestop an opening that cable tray passes through.* Two (2) sticks of moldable putty (part number FSP-MPS) are also needed for

Technical Guidelines for Cable Tray Installation and

Use dedicated splice plates and bolts. Ensure firm electrical continuity through grounding jumpers at each connection point. Sharp edges or foreign debris

Fire protection for cables & cable trays | Flamro

Fire protection for cables and cable trays: effective solutions to prevent cable fires Cable systems are found in all buildings nowadays: from industrial plants via

Prevent Fire and Electric Hazards When Cable Trays Used

If not designed and installed properly, wiring inside cable trays may pose hazards such as fire, electric shock, and arc-flash blast events.

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Guide to Fire-blocking Sections (Fire Sections/Fire

In the power industry, the installation of fire-blocking sections (fire-proof sections/fire-proof partitions) on cable trays is an important measure to

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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

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