Fireproof Putty for Photovoltaic Cable Trays

Article Overview

Fireproof putty such as Firebreak 55, 3M Fire Barrier Moldable Putty Stix MP+, and Hilti CP 619 T can be used to protect photovoltaic cable trays by maintaining fire resistance and smoke containment.

Key Fireproof Putty Options

1. Firebreak 55 Putty Firebreak 55 is a silicone-based ablative polymer with fire-resistant additives, designed to maintain the fire resistance of walls and penetrations where electrical cabling passes through small openings. Under fire conditions, it forms a dense char that restricts fire and smoke spread. Its non-setting nature allows easy removal or addition of cables while reusing the putty to reinstate the fire seal, making it suitable for PV cable trays that may require future modifications . 2. 3M Fire Barrier Moldable Putty Stix MP+ This intumescent, re-enterable putty provides up to 4 hours of fire protection and forms a seal against smoke and drafts. It is pliable and moldable by hand, adheres well to most construction substrates, and is safe for synthetic cable jackets, making it ideal for bundled photovoltaic cables. It has been tested according to ASTM E 814 (UL 1479) and ASTM E 119 (UL 263), ensuring compliance with fire-rated assembly standards . 3. Hilti CP 619 T Firestop Putty Roll Hilti CP 619 T is a moldable firestop putty suitable for sealing cable penetrations. It is designed for easy installation and re-entry, allowing PV cable trays to be modified without compromising fire protection. Hilti provides product demonstrations and technical support for proper application . 4. CharCoat Fireproofing Solutions CharCoat offers passive fire protection coatings for cables and cable trays, including RTV hydrophobic silicon coatings and firestop systems. These solutions are suitable for critical infrastructure and high-risk environments, providing protection against fire, smoke, and heat while maintaining circuit integrity .

Considerations for Photovoltaic Cable Trays

o Fire Rating: Ensure the putty or coating meets the required fire resistance for the installation, typically 2-4 hours for commercial PV systems.
o Re-entry Capability: Non-setting or re-enterable putties allow future cable additions or replacements without compromising fire safety.
o Compatibility: Verify that the putty is safe for synthetic cable jackets and adheres to the tray material.
o Smoke and Draft Sealing: Effective putty should also prevent smoke migration, which is critical in enclosed PV installations.
o Standards Compliance: Look for products tested to UL 1479, UL 263, or ASTM E 814/E 119 to ensure regulatory compliance. Using these fireproof putties or coatings on photovoltaic cable trays helps maintain fire compartmentation, protect cables from heat damage, and ensure safety compliance in solar installations.

Fireproof Putty for Photovoltaic Cable Trays

These special types of fire retardant paints can be applied on individual cables, cable bundles and cable trays etc. to retard fire

With our fire protection for cable systems, we ensure that your lines meet the highest safety standards and

A removable glass cloth coated pillow filled with fireproof sponge and intumescent material which expands to 3 times its original size

Easily moldable and reusable firestop putty designed to help create a fire and smoke barrier around cables

Firestopping Cable Installations Don"t introduce fi re hazards when working on a new project. Ensuring your cable runs don"t

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

Choose from our selection of fire stop putty, including fire-stop putty, paintable fire-stop caulk, and more. Same and Next Day Delivery.

Astro PFP FR Putty seal is an easy to apply fire and sound rated sealant supplied as a non-setting putty.

Our range of trunking and cable tray protection products provide effective fire protection for pipes, cables

Fire rated putty is a key passive fire protection product, designed to help stop the spread of fire, smoke and hot gases through

Description FM011 Moldable Firestop Putty is an industry leading, one-part, flexible, intumescent putty ready-to-use

Electrical penetrations, such as sockets, cable trays / baskets or recessed downlights, must be fire stopped in order to reinstate the

Helps to improve the firestop performance for wide range of applications - large openings, cable trays,

Formulated dark red, this easily moldable putty stick provides up to 4 hours of fire

Installation Process Clean the opening Measure opening around cable tray.

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

FIRSTO fire stops are

Web: https://millstraining.co.za