

Fireproof putty sealing of bridge pier holes



AI Overview

Fireproof putty can be used to seal bridge pier holes, providing fire resistance, smoke containment, and structural protection when applied correctly.

Purpose and Benefits

Fireproof putty is designed to seal gaps, voids, and penetrations in structures to prevent the spread of fire and smoke. When applied to bridge pier holes, it can:

- Maintain the fire resistance of concrete or steel structures
- Prevent smoke and heat transfer through openings
- Provide thermal insulation during high-temperature events
- Reduce the risk of structural damage in case of fire

Types of Fireproof Putty

- Intumescent Putty:** Expands when exposed to heat, forming a solid, insulating barrier. Example: Dornex Firestop Putty expands at 140°C to form a carbon foam that blocks fire and smoke.
- Non-Intumescent Moldable Putty:** Remains pliable and seals gaps without expansion. Example: 3M Fire Barrier Moldable Putty Stix MP+ provides up to 4 hours of fire protection and is re-enterable for maintenance.
- Fire-Resistant Cords or Sealants:** Pre-formed cords like SikaSeal®-632 Fire Putty+ can be fitted around penetrations to restore fire resistance in walls or floors, suitable for small gaps.

Application Guidelines

- Surface Preparation:** Ensure the hole or joint is clean, dry, and free of dust or grease.
- Filling the Gap:** Mold the putty by hand or inject it into the hole, ensuring complete coverage around the edges. For outdoor bridge piers, a protective covering may be required to prevent weathering.
- Depth and Width:** Maintain a minimum joint width of 5 mm for effective sealing.
- Curing:** Some putties harden as water evaporates, while others remain pliable for re-entry and maintenance.
- Compatibility:** Check that the putty is compatible with concrete, steel, or other materials used in the bridge pier.

Fire Resistance and Standards

Many fireproof putties are tested up to 4 hours in accordance with standards such as AST...

Article Content

Firestopping cable openings helps safeguard buildings

Sealing or firestopping openings where cables penetrate fire-rated walls and floors is an important aspect of cable installation and maintenance. When fire erupts in a

3M™ Fire Barrier Moldable Putty Stix MP+ | 3M United States

Formulated dark red, this easily moldable putty stick provides up to 4 hours of fire protection. These putty stix also produce a draft and cold smoke seal and help reduce noise transfer.

STI MARINE Marine Firestop Putty

STI MARINE Marine Firestop Putty Non-hardening, intumescent compound for use as a penetration seal for cables in fire-rated bulkheads and decks. PRODUCT FEATURES: PHYSICAL PROPERTIES:

INTUMESCENT PUTTY

Introduction The purpose of this document is to give guidance to approved contractors and suppliers who are engaged in the fire stopping of service penetrations in walls and floors using the Astro

Special Sealing Putty for Cable Hole Blocking, Bridge Sealing ...

Customized Processing□No Purpose of Oil Seal□Crankshaft Front and Rear Oil Seal Material□Nitrile Rubber Brand□Other Model□Other Applicable Models□Other Size□Other Operating

Intumescent Putty

Intumescant putty is ideal for sealing pipes, cables and service penetrations, especially ones with odd shapes. Red in colour, each 1kg tub of intumescent

Kastar Fire Barrier Moldable Putty – Superior Fire ...

□□ Kastar Fire Barrier Moldable Putty – Superior Fire Protection for Bridges □□ Watch how Kastar Silicone-based Fire Barrier Moldable Putty outperforms traditional fireproof putties in real- world bridge

Fire Barrier 1.45 in. x 6 in. Moldable Putty Stix MP+

Fill voids in large openings and complex fire stop systems without a hitch by using this Fire Barrier Moldable Putty Stix MP+ Flexible from 3M.

3M™ Fire Barrier Moldable Putty Pads MPP+ | 3M

Effective and easy to install, 3M™ Fire Barrier Moldable Putty Pads MPP+ are part of our family of fire protection products that offer the broadest, long-lasting

Fireproof mud – Hebei Baohang Fireproof Materials Co., Ltd

It is mainly used for sealing holes in cables and wires to prevent fires from spreading to adjacent rooms and prevent accidents from expanding. Therefore, this blocking material is an ideal fireproof blocking

Fire Barrier Moldable Putty+

Provides a draft and cold smoke seal in the installed condition, even before any temperature rise occurs, resultant from a fire. Adheres to all common building surfaces (Cement, gypsum, wood and plastic),

Kastar Fire Barrier Moldable Putty

□□ Kastar Fire Barrier Moldable Putty – Superior Fire Protection for Bridges □□ Watch how Kastar Silicone-based Fire Barrier Moldable Putty outperforms traditional fireproof putties in real-world bridge

Understanding and Using Firestop Sealants and Caulk

Explore the essentials of fire safety with our guide on "Fireproof Your Space: Understanding and Using Firestop Sealants and Caulk". Learn about

Epoxy Fillers | Epoxy Putty | Firestop Putty | RS

Commonly supplied in tub or stick (for metal epoxy putty) form. Firestop putty is a form of filler that can be easily moulded into a firestop to seal holes and gaps in openings or complex fire safety systems.

What Are Fire Rated Sealants? Benefits, Uses, and Types

In recent years, due to environmental changes and increased safety awareness, fire safety has received widespread attention. Fireproof sealants

Amazon : Fire Barrier Putty

5Pcs Fire Putty Electrical Pads, 7"x7" Fire Barrier Pad, Acoustic Putty Pad with Disposable Gloves, Moldable Firestop Adhesive for Wall Openings, Soundproofing, Electrical Boxes (5pcs)

Amazon .uk: Fire Resistant Putty

Waterproof Sealing Putty, Fire Resistant Wall Hole Filler and Pipe Caulking Agent, Heat Resistant Clay for AC Vent Sealer, Smoke Proof Filling and Proof Barrier, Gray

HK-24 Type Ultralight Fireproof Putty

HK-M Type Intumescent Firestop Sealant Antifire Firestop Sealant HK-3000 Type Marine Fireproof Sealing Adhesive HK-4000 Type Marine Fireproof Sealing Adhesive HK-A Type Marine Fireproof

SikaSeal®-632 Fire Putty+

Suitable for small gaps around services where sealants cannot be applied to the required depth. Up to 4 hours fire resistance. Easy to apply, hand workable. Cord is fitted to cover the gap around a service,

Amazon : Fire Putty

Get moldable firestop putty in convenient pad and stick formats. Long-lasting protection for construction and maintenance projects.

SikaSeal-632 Fire Putty+ (5x)C9248/20 PAC

This fire-resistant sealing putty is perfect for restoring the fire resistance performance of walls and floors that have service openings for cables and metal

Firestop Putty

Firestop Putty is a foaming sealant with a graphite base. Exposed to fire, the material starts expanding at a temperature of 140°C and forms a solid, heat-insulating carbon foam, which prevents the further

SikaSeal®-632 Fire Putty+ | Fire Seal

SikaSeal®-632 Fire Putty+ is a fire resistant sealing putty used for small openings around services in fire compartment walls and floors. Up to 4 hours fire

Cable Transits & Penetration Seals

Firestop Putty Marine Firestop Putty is designed to seal small to medium size cable openings in fire-rated divisions. Marine Firestop Putty is a non-hardening, moldable compound that can be hand

Fire Barrier Moldable Putty+

3MTM Fire Barrier Moldable Putty+ consists of a synthetic elastomer designed for use as a one part, intumescent fire resistive putty used to restore the integrity of fire rated building construction.

Technology

The company serves global shipbuilding and marine engineering enterprises. After years of development, it has successively developed HK-MG type cable/pipe penetration, HK-24 ultralight

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The organic fireproof blockage of the present invention relates to a fireproof material, especially a fireproof blockage for sealing penetrating openings and building gaps. The aim is to solve the

What Is Firestopping

Firestopping is the use of fire-resistant materials to seal holes in fire walls, floors and ceilings. They slow the spread of flame, smoke and toxic gasses.

Contact Us

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