

Fireproof adhesive for cable tray sealing



Overview

FLAMRO® penetration sealing systems are suitable fire protection solutions for cables of all types, cable trays, racks, and ladders as well as electrical installation conduits.

Key Takeaways

Fireproof sealing adhesives for cable trays are specialized sealants and coatings designed to prevent fire and smoke propagation, maintain cable functionality, and comply with building regulations. Types of Fireproof Sealants Pressure-Exerting Sealants: These expand when exposed to heat, sealing gaps around cable trays and bunched cables. They are suitable for internal use and can handle small pipes and metallic services.

Pyroplex Pressure Exerting Sealant, for example, offers fire resistance up to 240 minutes and is halogen-free with excellent adhesion to common building materials. Acrylic and Graphite Sealants: These are ETA-approved for fire stopping single cables up to 21mm and small bundles up to 50mm. They are widely used to comply with building regulations and prevent fire and smoke from spreading through walls or floors.

Fire Protection Coatings and Tapes: Products like FLAMMOTECT-A coating and DG-CR 0.7 tape form a protective shield around cables, preventing flame propagation and enhancing resistance to environmental factors such as UV, moisture, and chemicals. Modular Sealing Systems: Roxtec and similar systems use modular rubber-based seals that can adapt to different cable sizes, allowing easy installation and future cable changes while maintaining fire protection.

Key Features to Consider

Fire Resistance Rating: Ensure the sealant or coating meets required fire ratings (e.g., 90–240 minutes depending on application). **Compatibility:** Check suitability for cable type (power, data, optical) and tray material. **Environmental Resistance:** Some sealants also resist moisture, chemicals, and UV exposure, which is important for outdoor or industrial installations.

Application Method: Sealants may require backing materials, tooling within minutes of application, or combination with coatings for optimal performance. **Standards Compliance:** Look for EN 1366, UL 1479, or ETA approvals to ensure regulatory compliance.

Practical Recommendations

For bunched cables in trays, use pressure-exerting sealants combined with fire coatings for maximum protection. For single cables or small bundles, acrylic or graphite sealants are effective and ETA-approved. For future-proof installations where cable changes are expected, modular systems like Roptec provide flexibility without compromising fire safety.

Always consult the technical team or manufacturer to select the right product for your specific installation and ensure proper application. By selecting the appropriate fireproof sealing adhesive and following installation guidelines, cable trays can maintain functionality during a fire, prevent smoke spread, and comply with safety regulations.

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Fire protection solutions to protect cables, cable trays and cable systems. Discover our tested cable coatings and fire protection bandages!

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Find top-rated fire sealant for cable tray with up to 4-hour fire rating, halogen-free, smoke-tight seals. Click to explore verified suppliers, customizable options, and fast delivery in 2026.

[KBS – Cable Fire Protection and Penetration Sealing | Wolman](#)

KBS ® Pipe Seal M collars effectively ensure protection against the passage of fire and smoke in the event of fire. This fire stopping solution ensures that flames and smoke gases cannot spread to the

Firestop

Our premium, intumescent latex/water-based caulk. This is an affordable firestop caulk that helps you stay on budget. Its unique intumescent property allows IC 15WB Caulk to effectively contain fire and

Cable penetrations seals | Wolman

KBS ® offers various solutions to effectively protect cable penetrations from the passage of flames and smoke. In most cases, the task is to seal off complex cable systems and cables on support

Fireproofing cable penetrations Penosil solutions

To ensure the fire-resistant sealing of cable penetration before finishing works, an intumescent acrylic should be used. FireStop Intumescent Acrylic Graphite 682 – an acrylic-based intumescent sealant

Fireproof pillow for cable tray penetrations

AF BAGS are intumescent and ablative fireproof pillows certified under EN 1366-3 for sealing up to EI 240 of cable tray penetrations.

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Trunking & Cable Tray Protection

Trunking & Cable Tray Protection Fireproof pillows, pads and wraps for trunking Sort by: Showing 1 - 6 of 6 products View

Trunking and cable tray protection

Our range of trunking and cable tray protection products provide effective fire protection for pipes, cables and trunking within floors, walls and ceilings.

Pressure Exerting Sealant | Pyroplex | Fire resistance up to 240 minutes

Approval Type: IFC Certification No.IFCC1029 Pyroplex Pressure Exerting Sealant expands multi-directionally when exposed to elevated temperatures, exerting pressure to seal and prevent the

Firsto System | CSD Sealing Systems

FIRSTO firestops are designed to seal multi-cable and cable tray penetrations of fire-rated walls and floors. FIRSTO fire stops are developed as a modular system which is simple to assemble around

Trunking and Cable Tray Protection

Additionally, many modern trunking and cable tray systems are designed with built-in fire barriers or intumescent materials that expand when exposed to heat,

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

CSD Sealing Systems

This document provides information on CSD Sealing Systems and their product range for sealing cable and pipe entries. It discusses their advanced sealing solutions for fireproof, gastight and watertight

What Types of Fire Retardant Sealant Are There?

Cable tray and electrical equipment sealing They are applied in power facilities, large buildings (like hospitals, hotels, airports) to seal tray and cable openings and to comply with

Fire sealing cable penetrations

Cable penetrations and fire safety There are many different types of cables and cable penetrations that can pass through fire compartment walls. For example,

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

