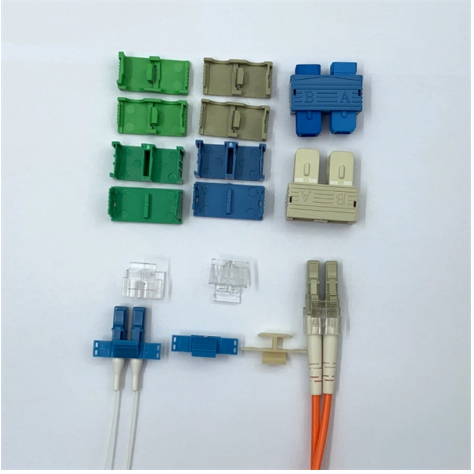
Distance for sealing cable trays with fireproof putty



Overview

Firestop The following charts give the number of 3M pillows needed to completely firestop an opening that cable tray passes through.* Two Firestopping Requ.

Key Takeaways

Cable tray penetrations should be sealed tightly with fireproof putty, ensuring gaps around cables do not exceed 1 cm² and all voids are fully filled.Key Guidelines for Fireproof Putty Application

Gap Size and Spacing: When sealing cable trays passing through walls, floors, or shafts, the gap between the firestop material and cables should not exceed 1 cm², and the packing thickness should be at least 24 cm for large openings . All gaps inside and around metal trunking must be sealed completely, both internally and externally, to prevent fire and smoke spread . Firestop Material Selection: Use appropriate fireproof materials such as firestop putty, firestop mastic, fire-resistant mineral wool, or fire-rated boards. Putty-based solutions like 3M Fire Barrier Moldable Putty+ or ROCKWOOL FirePro® SpeedSeal are designed for cable penetrations and can accommodate multiple cables while maintaining fire resistance . Installation Considerations:

• Ensure the floor and wall finishes are completed and shaft doors are installed before sealing .

• For large openings, install a fire-resistant backing plate before applying putty .

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• Firestop putty should be applied without visible cracks or voids, fully encapsulating the cables and filling all gaps .

• Cover plates should be square, evenly painted, and properly dimensioned to close the opening securely . Maintenance and Inspection: Periodically inspect sealed cable trays to ensure the putty remains intact, with no shrinkage, cracks, or gaps that could compromise fire protection . Summary: Proper firestopping requires tight, continuous sealing around cable trays, with gaps not exceeding 1 cm^2, sufficient packing thickness, and the use of tested fireproof putty or equivalent materials. Following these guidelines ensures compliance with fire safety standards and effective containment of fire and smoke.

Article Content

Electrical Penetrations

Safer and and cost-efficient facilities with firestop solutions for cable penetrations. Pre-engineered, fiber-free for effortless retrofitting

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