

## How to seal cable trays penetrating floor slabs



### Overview

Cable trays and busways at floor level or at slab penetrations shall have a waterstop no less than 50 mm in height. Sealing shall be tight and reliable, without visible cracks or. Where cables pass through shafts, walls, slabs, or enter electrical panels or cabinets, openings shall be tightly sealed with firestopping materials in accordance with design requirements. Process flow: reserved openings → busway installation → distribution box positioning and installation →. It is a little known fact that there are no proactive cable tray penetrations for trays to go through a fire barrier. In other words, the cable tray manufacturer did not go to UL or ETL and say “test this tray penetration for 2 hours, make the hole this size, and use these pillows, compressed this. Service penetration seals are passive fire protection systems designed to maintain the fire resistance of building element or section - wall or floor - where services such as cables, cable trays, pipes or ventilation ducts pass through them.



## Article Content

### Firestopping Requirements for Cable Trays and Wall/Slab Penetrations

At slab penetrations, provide 20–30 mm of firestopping and install a fire-support plate at the top. Sealing shall be tight and reliable, without visible cracks or voids.

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### CSD Sealing Systems: Weatherstops

The frame can be opened and closed repeatedly to allow for cable maintenance and additions. The sponge rubber pads are compressed around the penetrating items and can be easily cut to fit around ...

### Cable Tray Penetrations: Problem Solved!

A simple and effective solution would be “Sleeve Systems.” where cable trays are stopped a few feet short of the fire barrier, a sleeve installed and the tray picked up again on the other side of the barrier.

### Penetration Seals

The vast number of different building materials and different service and the types of penetrations that can be required, leads to a wide variety of different solutions for sealing around these services ...

### PROMASEAL® Bulkhead Sealer System Penetration Seals on ...

In this type of construction, the PROMASEAL® Bulkhead Sealer System is really the most economical method of sealing the opening. PROMASEAL® Bulkhead Sealer System is especially useful under ...

### Fire protection cable penetration seals | Discover now | Flamro

Approved fire protection systems for sealing cable penetrations, cable ducts, or single cable lines in walls and floor openings. Get to know now!

### Cable Penetration Seals | ZAPP-ZIMMERMANN GmbH

Floor or wall of min. 4 ½ in. thick reinforced concrete or any UL Classified Concrete Blocks Annular space: point contact to max. 8 in. ZZ® 365 Fire Protection Sealant to be filled between cables, in ...

### Seal Floor & Ceiling Penetrations: Pipe Penetration ...

Learn how to seal floor and ceiling penetrations to prevent leaks and contamination with proper pipe penetration sealing techniques for plant safety.

Fire stop section of the cable tray and cable management NEMA

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 ...

## Contact Us

For more information, pricing, or custom solutions, please contact us:

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