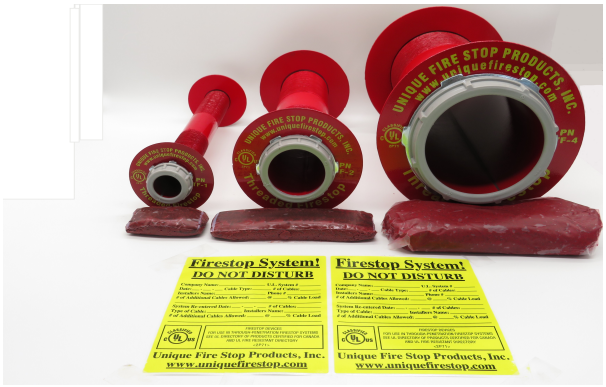
Threaded Fire Stop Product Data Sheet

Unique Threaded Fire Stop Sleeves are a complete sleeve kit for through penetrations. UL certified to ASTM E814 (UL1479) and code compliant with no additional hardware to buy. Each sleeve kit contains one sleeve 12" long, two washers, two lock nuts, two bushings and two document/warning labels. It also includes enough intumescent putty to fill both sides of the sleeve to 1" in depth.
Unique Fire Stop Threaded Sleeves are made of intermediate metallic tubing. That delivers high performance fire stopping. Our Threaded Fire Stop Sleeves provide an easy method for compliance with inspectors or AHJ. That can be re-entered at any time to add or remove cables.

Applications

Unique Fire Stop Threaded Sleeves are used to protect and support cables and protect both rated and non-rated openings. Preventing fire, smoke and hot gases from passing through. The Threaded Fire Stop sleeves are suitable for use in all non-rated and up to 4 hour rated gypsum, concrete and block walls and 3 hour rated floors. Suitable for use in all common wall constructions including concrete, block and gypsum/stud assemblies



Features & Benefits

- Ready for installation right out of the package
- Installs quickly
- Does not require any external support
- Fire stop documentation and putty come with all sleeve systems
- UL certified and code compliant
- For use in rated and non-rated barriers
- Blocks the passage of fire, smoke, super heated gases and dust at any cable fill percentage
- Putty minimizes noise transmission
- Can be made for longer applications

Specified Divisions

Division 7 07 84 13 Penetration Firestopping
Division 26 26 00 00 Electrical
Division 27 27 00 00 Communications

Specifications

All data, video, communication, power, and control cables shall be installed through sleeves wherever said cables penetrate fire resistance rated barriers. The sleeve shall be sized to accommodate the present cable bundle as well as anticipated growth. The sleeve shall be provided with a sufficient thickness of intumescent firestop putty to seal the ends of the sleeve to restrict the passage of fire, smoke, and superheated gases. The firestop sleeve shall be UL Certified and tested to the requirements of ASTM E814 (UL1479) and CAN/ ULC-S115

Performance

Unique Fire Stop Sleeve are UL tested and Certified in accordance with ASTM E814 (UL1479) and CAN/ULC-S115. Systems are available for cable penetrations through common wall constructions up to 4 hours / 3 hours vertical

Limitations

This product has been designed to be safe with plastics. It has been used extensively and successfully with various types of plastic pipes, tubes, and plastic cable insulations. Variations in these materials, however, make it impossible to guarantee compatibility. Unique Fire Stop strongly recommends that the user consults with the pipe, tubing, or cable manufacturer in question regarding any known sensitivities or potential restrictions before applying this product.

Threaded Fire Stop Sleeve Physical Properties

Available Sizes: 1” (28 mm), 2” (55 mm), and 4” (106 mm)

Sleeve Construction: (1" 0.085 thick galvanized steel) (2" 0.095 thick galvanized steel) (4" 0.130 thick galvanized steel

Washer Construction: 0.048 thick steel

Unique Intumescent Putty

Unique Putty is a non-hardening, intumescent compound designed to seal through-penetrations as well as certain membrane penetrations (med-gasvalve box, tub & shower valve, clean-out tee) against the spread of fire,smoke and hot gases. Unique Putty expands up five to times its original size when exposed to high temperatures or flames. Requiring no tools, Unique Putty is soft and pliable making it easy to install by hand packing into openings. It's aggressive adhesion makes it suitable for use with all common construction materials as well as cable jacketing and pipes. Unique Putty remains soft and easy to reuse or retrofit.

Unique Intumescent Putty Specifications

The firestopping putty shall be a one-part, two-stage intumescent, non-hardening compound. The putty, when exposed to high heat or flame shall be capable of expanding a minimum of five times. Range of continuing expansion shall be from 230°F to less than 1,000°F (110°C to less than 538°C). The putty shall be soft and pliable with aggressive adhesion and shall not contain any water-soluble intumescent ingredients. The putty shall be UL Certified Approved and tested to the requirements of ASTM E814 (UL1479), CAN/ULC-S115 and UL263 (ASTM E119, NFPA 251).

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Features And Benefits

- Non-hardening easy retrofit
- Endothermic fillers absorb heat & release water
- Highly adhesive formula stays put, allows movement
- Soft & pliable for easy installation
- No water-soluble expansion ingredients means better water resistance
- Excellent sound attenuation properties
- Reduces noise transmission

Unique Intumescent Putty Physical Properties

Putty Fill Material Color: Red

Putty Fill Material Odor: None

Putty Fill Material Solids: 100%

Putty Fill Material volume Expansion : 8x free expansion

Putty Fill material In Service Temperature: -10F (-23C) to 120F

Putty Fill material Storage Temperature: Less than 120F (49C)

Putty Fill Material Expansion Temperature: 230F (110C)

Putty Fill Material VOC Content: 0.00 lbs/gal (0.0 g/L)

Putty Fill Material Shelf Life: No Limit

Mold & Fungus Growth Rating (ASTM G21) 1

STC Rating: (ASTM E 90-04/ASTM C919) 62 (Relates to Specific Construction

Maintenance

Unique Fire Stop Putty is permanently non-hardening to facilitate the removal or addition of cables. After cable changes, reinstall putty to original depth.
NOTE: This product represents a UL Certified Firestop System. Only Unique Fire Stop putty may be used in this system.

Technical Service

Unique Fire Stop provides free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website www.uniquefirestop.com including Safety Data Sheets (SDS's).

Precautionary Information

No unusual hazards are known or expected. Observe normal safety procedures during installation

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