Typical Application Areas of 3M™ Firestop Products

Plastic Pipe

Duct Work (Air/Grease)

Cable Tray (Telecommunications/ Power)

Perimeter Gap

Large Openings/ Multiple Pipes

Metal Pipe/ Concrete

Fire Rated Expansion Joints

Metal Pipe/ Dry Wall

Head of Wall Joint

Duct Penetrations

Insulated Pipe

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3M *Innovation*

3M

Fire Protection Products

The full stop to fire

Fire Protection Products

Designed to protect you

The complete line of 3M™ Fire Protection products help prevent fire, smoke, toxic fumes and moisture from passing through penetrations in fire rated walls and floor. These easy to install products are suitable for a wide variety of firestop applications, including plastic pipes. metal pipes. HVAC duct work, cables, construction gaps, grease ducts ,all tops and control joints.

Classified by Underwriters Laboratories. Inc. *(UL 1479), UL I Canada. Warnock Hersey and BCJ (Japan) Code Approved 1 CBO, BOCAI and SSBCCI(N.E.R. 243).Tested worldwide to ASTM E 814, ASTM L 119, NEPA, 10 1 Life Safety Code AS 1530.4. BS 476, DIN 4 102, ISO 834 and JIS A 1304. 3M™ fire protection products are asbestos free and contain no PCB's.

Our fire-test center has been qualified under the UL and OPL guidelines for their Witnessed Test Data Program. This is where we really put our firestop ideas to the test. The center is at our headquarters in Minnesota, so we can easily experiment with new materials to find the most effective firestop systems..

3M™ Fire Barrier CS-195+ Composite Sheet

This organic/inorganic elastomeric sheet is bonded on one side to a layer of 28-gauge galvanized steel. The other side is reinforced with steel-wire mesh and covered with aluminum foil.

- Ideal for fire-stopping blank openings and through-penetrations of multiple cable, pipe ducts, buss ducts and cable trays
- Intumescent
- Lightweight and easy to handle—just cut and form to fit
- Easy to install using common trade tools
- Easy to fasten—bolt punch or drill through and use self-tapping screws or anchor bolts
- Bottom-of-floor applications available
- No mixing or damming required
- Re-enterable
- Documented aging properties

3M™ Fire Barrier Moldable Putty+

3M™ Fire Barrier Moldable Putty+ is a one-part, halogen-free product designed to firestop electrical outlet boxes and a wide variety of through-penetrations including cable, conduit, insulated pipe and metal pipe, which penetrate fire-rated construction.
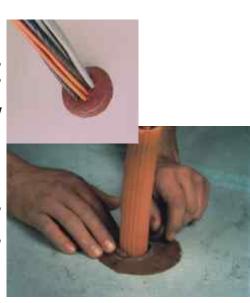
Here are five reasons to use 3M™ Fire Barrier Moldable Putty+:

1. Pliable: Easy to mold into any shape.
2. Adheres: Sticks well to most surfaces but not to the applicator's hands.
3. Conformable: Pads easily conform and adhere to a wide variety of metallic and non-metallic electrical outlet boxes.
4. UL Listed: Wide range of UL Listed systems.
5. Ages Well: Excellent aging properties.

3M™ Fire Barrier 2001 Silicone RTV Foam

A two-part, liquid-silicone elastomer that foams in place when mixed. Firestops and seals large and complex penetrations.

- Cures in 1–5 minutes to form an elastomeric compression seal
- No ampacity derating of cables when used properly
- Easily mixed by hand (small amounts) or by automated mixing and dispensing equipment (large amounts)

3M™ Fire Barrier Caulks

All 3M™ Fire Barrier Caulks have either intumescent and/or endothermic technologies that provide a tight and dependable seal against fire, smoke, toxic fumes and moisture. 3M™ intumescent caulks expand up to three times their original size when exposed to temperatures over 300°F (149°C). This intumescent action forms a strong, insulating char which seals the opening for up to four hours when exposed to extreme heat.

Fire barrier caulks are ideal for new construction or retrofit in a wide variety of applications such as metal, plastic, insulated and glass pipe, construction gaps, dynamic joints, HVAC ductwork and insulated cable applications.

Fire barrier caulks are all one-part systems requiring no mixing or measuring, and are fast drying, becoming tack-free in less than 30 minutes. All come in convenient job size packages and install easily with standard caulking gun, pneumatic pumping equipment or putty knife.

3M™ FireDam™ 150+ Acrylic Latex Caulk

This is the economical alternative to costly firestopping applications. It is used to firestop metal pipes or cables through concrete or gypsum, and for use in dynamic head-of-wall systems.

- Remains pliable allowing for normal pipe movement
- Water-based for easy installation, cleanup and disposal
- High-solids formula means no shrinkage
- Safe … no solvents
- Available in blue and limestone color
- Multiviscosity grade offers excellent caulking properties

3M™ Fire Barrier CP 25WB+ Caulk

Our premium, intumescent latex/water-based caulk.

- Water based—easy cleanup and routine disposal with no special handling
- One-part system—no mixing or measuring required
- Intumescent and endothermic
- No-sag, non-halogen formula
- Fast-drying—tack-free in approximately 10–15 minutes
- Water-resistant seal
- Paintable
- Documented aging properties

3M™ Fire Barrier Mortar

This lightweight cementitious firestop with excellent adhesion bonds to concrete, metals, wood, plastic and cable jacketing.

- Variable mix ratio - permits self-leveling and no-sag application consistencies
- Re-enterable - no power tools needed
- Bonds to itself - proven prior to and during fire testing
- Pumpability - allows faster installation
- Greater resistance to common concrete poisons than PC-bound products
- Contains no asbestos

3M™ Fire Barrier Expantrol Flexible Intumescent Strip (E-FIS)

3M™ Fire Barrier E-FIS has been designed to seal the air space between doors and frames and for glazing fire resistant glass to help prevent the passage of smoke and flames in the event of a fire. When exposed to heat such as would occur in a fire, the material expands to seal the gap and forms a char to deter the spread of a fire. This expansion or intumescence of the material helps prevent noxious gases, flames, or other by-products that may be produced in a fire from penetrating into adjacent areas.

- Intumescent: Expands when heated to seal around objects consumed by fire.
- Smoke seal: Retards spread of toxic by-products of combustion.
- Superior, documented aging properties.
- Excellent flexibility. Easy, cost-effective installation.
- Low flame spread and smoke development.
- Normal disposal procedures.
- Versatile. Can be cut to fit irregular shapes.
- Re-enterable. No special tools required.
- Non-flame supporting.

3M™ Fire Barrier Water Tight Silicone Sealants

3M™ Fire Barrier Water Tight Silicone Sealants offer a cost-effective, proactive means for dealing with the potentially harmful effects of fire and smoke; with the added benefit of preventing water or moisture intrusion.

Benefits of 3M™ Fire Barrier Water Tight Silicone Sealants:

- Meets the UL Water Leakage Test - Class 1 Requirements
- Excellent weatherability
- Ideal for fast-track construction
- Excellent adhesion
- Easy application with standard or bulk caulking guns or pneumatic pumping equipment
- Cures upon exposure to atmospheric humidity
- Re-enterable and repairable

3M™ Fire Barrier Water Tight Silicone Sealants are available in three formulas to permit versatile applications:

- 1000 NS: Non-slumping silicone with a UL firestop rating up to three hours. For fire-rated floor & wall penetrations.
- 1003 SL: Self-leveling silicone with a UL firestop rating up to three hours. For fire-rated floor penetrations & joints.
- 3000 WT: Intumescent silicone with a UL firestop rating up to four hours. Expands around combustible & non-combustible penetrating items to maintain a tight barrier against fire, smoke & noxious gases.

Quick Pass

DEVICE

3M™, the industry leader in fire protection technology, has introduced a cable transit system that prevents the spread of fire and smoke where electrical, data and communication cables or pipes penetrate walls and floors.

Passes the test

The 3M™ Fire Barrier Quick Pass Device passes the ASTM E814 Fire Test Standard and is fire-rated for up to 3 hours (dependent upon system application). 3M™ Fire Barrier Quick Pass Devices™ are UL certified and Class L smoke-rated for additional life-safety protection.

How it works

The 3M™ Fire Barrier Quick Pass Device™ uses a unique fixed fire-rated intumescent material which works in conjunction with a foam smoke seal and optional mounting brackets. In the event of a fire, the intumescent quickly expands to seal the inside of the sleeve, preventing the spread of smoke and fire into further compartments. This expansion, or intumescence, prevents noxious gases, flames and other by-products produced in a fire from penetrating into adjacent areas.

Solves today's tech-heavy construction needs

The 3M™ Fire Barrier Quick Pass Device™ is perfect for any structure where electrical, data and communication cables or pipes pass through fire-rated floors and walls: telecommunications centers, healthcare buildings, office buildings, data processing centers, apartment buildings and more. For healthcare organizations, this product helps pass JCAHO inspections. And it's perfect for sheetrock – use our unique round model in conjunction with a hole saw for quick and easy installation into gypsum wall assembly.

QUICK TO PASS CABLES — QUICK TO PASS INSPECTION

The 3M™ Fire Barrier Quick Pass Device™ makes installation and retrofitting a snap. Easy to install and amazingly flexible, the 3M™ Fire Barrier Quick Pass Device™ offers 2.5" square, 4" square and 4" round sizes to fit most floor or separating wall assemblies. Simply follow the instructions located on the product. Use this product in new construction or update your fire protection in a renovation – the optional mounting bracket opens easily allowing retrofit installations. The 3M™ Fire Barrier Quick Pass Device's™ bright red color is easily identified. As your needs change, reuse the 3M™ Fire Barrier Quick Pass Device™ for additional cables and wiring.

3M™ Fire Barrier Quick Pass Device™ benefits:

- Hinged for existing cables
- Stackable for multiple penetrations.
- Optional mounting brackets — single or triplex
- Install before or after gypsum wall assembly
- Easily identified red color
- Quick to pass cables
- Easy to inspect
- JCAHO and NFPA Life Safety Code 101 compliant
- UL classified 1, 2 and 3 hour fire (F) and temperature (T) rating
- UL classified L rating, Hot and Cold Smoke Seal
- ULC

The 3M™ Fire Protection line includes these superior performance firestop systems:

3M™ FireDam™ Spray 100	3M™ Interam™ Ultra GS
3M™ Fire Barrier IC 15WB Caulk	3M™ Fire Barrier Plenum Wrap 5A
3M™ Fire Barrier 1000 & 1003 Silicone Sealants	3M™ Fire Barrier Duct Wrap 15A, 20A
3M™ Fire Barrier 2000 Silicone Sealants	3M™ Interam™ E-5 Series Mat
3M™ Interam™ T-49 Tape	3M™ Fire Barrier Self-Locking Pillows
3M™ Fire Barrier 2000+ Silicone Sealants	3M™ Fire Barrier Pillows
3M™ Ultra Plastic Pipe Device	3M™ Fire Barrier Ultra RC Pack
3M™ Cast-in Devices & Accessories	3M™ Fire Barrier RC-1 Restricting Collar
3M™ Fire Barrier FS-195+ Wrap/Strip	