

3M Fire Protection Products



3M™ Fire Protection Products



Protecting what's important ... lives.

Do you ever stop to think about the real reason you install firestop products? We do. Every day. We have scientists who are devoted to it. Every day, their job is to develop and test innovative firestop solutions designed to help save lives.

From the leader in fire protection.

3M has been creating innovative firestop systems for more than 25 years. Our complete line of fire protection products helps stop the spread of fire, smoke and toxic fumes. They're easy to install and are approved for a wide variety of firestop applications by Underwriter's Laboratories, Warnock-Hersey,

Factory Mutual and Omega Point Laboratories. In fact, we're one of the manufacturers that can provide fully tested systems to firestop all of these scenarios: through-penetrations, perimeter joints, top-of-wall gaps, structural steel, emergency circuitry and grease/air ducts. We can make your job easier by using our Cast-In Device and accessories.



On-site test facility ensuring quality for over 20 years.



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.

Hands-on firestop training

We also use our testing facility as part of a detailed firestopping training program for code officials, distributors, architects, contractors and owners. These students have the opportunity to actually install a wide variety of firestops, watch them burn, and then witness a hose stream test. They get a feel for what takes place in the field and what occurs during an actual UL test.

Technical support at every turn.

The training program is only a small part of what makes 3M your full-service fire protection company. In addition to our industry-leading technical-service staff, we offer many resources to help you choose the right firestop products and learn how to install them properly.



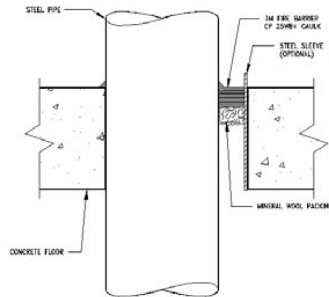
Toll-free Customer Helpline: 1-800-328-1687

Auto Fax Services: 1-800-498-9563

International Auto Fax Services: 651-732-6518

Web site: www.3M.com/firestop

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 IC 15WB 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 smoke at its origin. Available in a variety of sizes, IC 15WB Caulk can be installed with a standard caulking gun, pneumatic pumping equipment, a putty knife or trowel.

- Cost Effective
- UL Tested
- Distinctive yellow color makes inspections easier
- For use as a one-part fire, smoke, noxious gas and water sealant

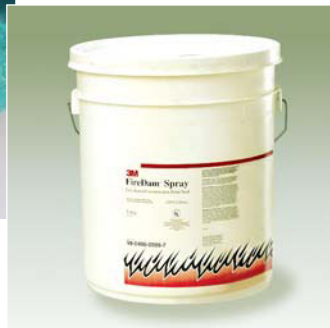
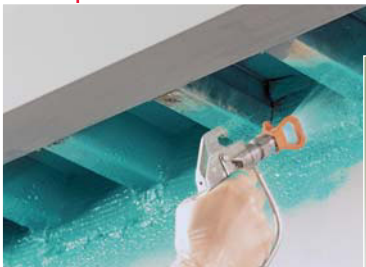
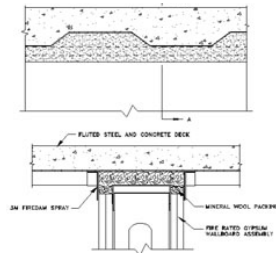
3M™ FireDam™ 150+ Acrylic Latex Caulk



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™ FireDam™ Spray 100



This sprayable coating is a quicker, easier, more cost-effective alternative to caulking. It's designed for firestopping head-of-wall and other construction joints.

- Water based—dries in ambient conditions
- Bonds quickly to substrate to form a flexible seal
- High coverage rate—reduces installation time
- Paintable
- Applied with conventional airless spray equipment

3M™ Fire Barrier Silicone Sealants and Foam

3M silicone sealants (one-part, ready-to-use elastomers) and RTV foam (two-part, liquid-silicone elastomer) share these properties:

- Good for both joint and through-penetration applications
- Re-enterable/repairable
- Excellent weatherability and sound-barrier properties
- Cure upon exposure to atmospheric humidity

3M™ Fire Barrier 1000 and 1003 Silicone Sealants

Available in a nonslump formula (1000) for floor and wall openings, and a self-leveling formula (1003) for floor openings.

3M™ Fire Barrier 2000 Silicone Sealant

- 2000 is great for top-of-wall/head-of-wall joints
- Accommodates vibration from normal building movement
- Maximum pipe size of 24 inches (609 mm)
- Compression/extension recovery of $\pm 31\%$ of original joint width

3M™ Fire Barrier 2000+ Silicone Sealant

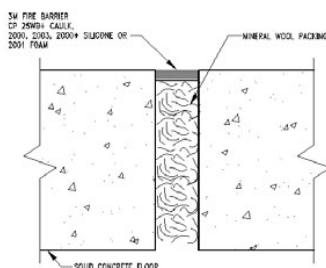
Bonds to most common construction materials to form a flexible seal.

- Superior adhesion
- Remains elastomeric and is weather resistant
- Provides up to a four-hour fire-rating
- Compression/extension recovery of $\pm 15\%$ of original joint width

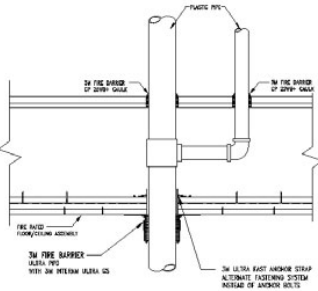
3M™ Fire Barrier 2001 Silicone RTV Foam

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)



A close-up photograph showing a red metal bracket or fastener used to secure a white PVC pipe to a wooden beam. The pipe has the text "CHLORITE P" printed vertically on it. The fastener is a red metal U-bolt or similar device, passing through the pipe and the wood.



- Takes only about one minute to install*
- Unique anchor straps replace the need for power tools, mounting screws, washers and other fasteners—all you need are pliers
- One-piece metal collar—just lock the latch and bend the tab to secure
- Intumescent and endothermic
- Intumescent material is softer and more conformable than conventional PPDs
- Also equipped for conventional anchoring

3M™ Cast-In Devices and Accessories



3M Fluted Metal Deck Adaptor



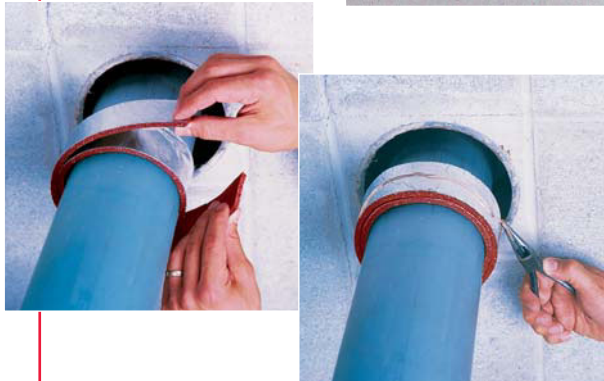
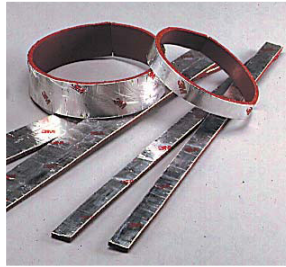
3M Tub Box



3M Height Adaptor

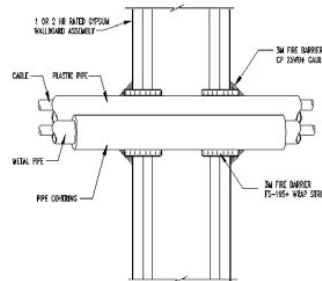
- One-step firestopping, no need to core drill holes and firestop later
- Up to 3 hour UL listed systems
- Devices for both metal and plastic pipes
- Adapts to any depth of concrete pour when used in conjunction with the 3M Height Adaptor
- Can be used on flat forms or fluted metal decks when used in conjunction with the 3M Fluted Metal Deck Adaptor

3M™ Fire Barrier FS-195+ Wrap/Strip



One-part, organic/inorganic elastomeric strip with foil on one side.

- Intumescent
- Documented aging properties
- Can be cut to fit irregular shapes
- Re-enterable—no special tools required
- 24-inch (609 mm) strips, one or two inches (25 or 50 cm) wide

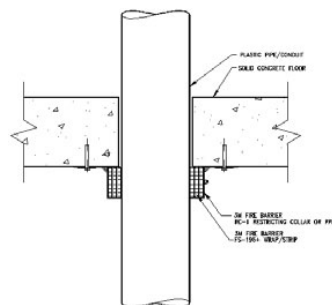


3M™ Fire Barrier RC-1 Restricting Collar



Works in conjunction with 3M™ FS-195+ Wrap/Strip or 3M™ Interam™ Ultra GS.

- 28-gauge steel
- Convenient 25-foot (7.6 m) roll—cut only what you need
- Required for firestopping plastic pipes larger than 4 inches (101 mm) in diameter



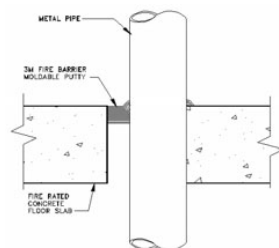
3M™ Fire Barrier Ultra RC Pack



This is a one piece metal collar assembly encasing 3M's heat expanding 3M™ Interam™ Ultra GS (intumescent) material. The 3M Ultra RC Pack is used for new and retrofit installations and will accommodate 2 inch (50 mm), 3 inch (76 mm) and 4 inch (102 mm) schedule 40 drain, waste and vent pipe systems.

- Patented Ultra Fast anchoring system
- Proven technology—intumescent action quickly seals off plastic pipe in a fire
- UL Classified—meets code requirements, universally recognized
- Embossed 3M logo—easily identified as a fire rated device during inspections
- Factory made—assures consistent quality

3M™ Fire Barrier Moldable Putty+

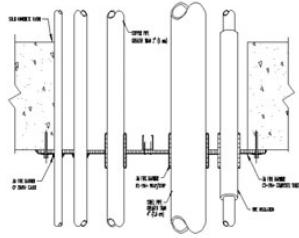


3M Fire Barrier Moldable Putty+ is a one-part, halogen-free product designed to firestop electrical outlet boxes and a wide variety of through-penetrations including cable, conduit, insulated pipe and metal pipe, which penetrate fire-rated construction.

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 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

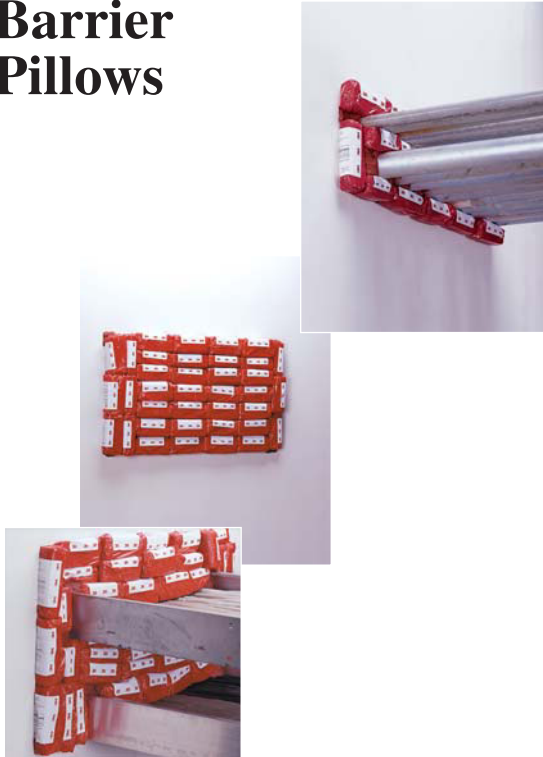
3M™ Fire Barrier Mortar

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 Pillows



The 3M Fire Barrier Pillow is a self-contained, highly intumescent product designed to firestop a wide variety of through-penetrations including cable trays (up to two per opening), conduit and blank openings, which penetrate fire-rated construction. During a fire, 3M Fire Barrier Pillow intumesces (expands) and locks itself into place, completely surrounding the penetrant(s) retarding the transmission of smoke, fire and toxic gases from spreading to the next room or next floor for the rated time period. They are easy to install and great for retrofit projects. Just remove and replace pillows as needed.

Here are five reasons to use the 3M Fire Barrier Pillow:

1. No wire mesh!
2. Three hour UL Listed systems.
3. UL Listed systems up to a 540 sq. in. opening.
4. No graphite.
5. Excellent aging properties.

3M™ Fire Barrier Self-Locking Pillows

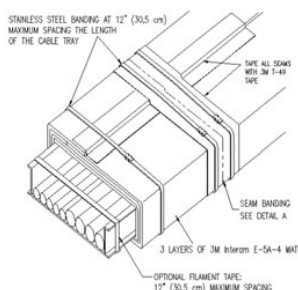


This product will intumesce and lock tightly into place leaving out the prep work of cutting or leaving any messy debris. The resulting barrier retards the transmission of smoke, fire, and toxic gases from spreading between adjacent rooms and floors for the rated time period.

- Extremely easy to install – saves time and labor
- Easy removal and fully reusable – with no blocking or fusing of materials
- No cutting required, no left over debris
- Up to three-hour UL Listed
- Passes hose stream test without cumbersome wire mesh
- Smoke seal tested and listed
- Listed for blank or filled openings in gypsum wallboard or concrete
- Available in three sizes



3M™ Interam™ E-5 Series Mat



Blocks heat penetration by chemically absorbing heat energy to protect structural steel, cable trays and circuits in conduits.

- Provides up to three hours of electrical circuit protection
- Made of a combination of organic/inorganic materials
- Outdoor durable
- Endothermic
- Available with a stainless-steel or aluminum backing
- Outstanding performance in high-intensity fires
- Easy to install in new applications or directly over existing fire protection

3M™ Fire Barrier Duct Wrap 15A, 20A



This non-asbestos fire resistance wrap is a patented inorganic blanket encapsulated with scrim-reinforced foil. Thickness choice of 1.5" (15A) and 2" (20A) for single and double wrapping in a **variety of applications**: commercial kitchen grease ducts, air ventilation and chemical exhaust ducts, stair pressurization ducts, hazardous exhaust ducts, trash and linen chutes.

- Passes the rigors of internal grease duct fire tests UL1978 and AC101
- Zero clearance to combustibles at overlap or collar for compact low profile that saves space in tight areas
- High flexibility for easy installation
- Foil encapsulated with unique center overlap seam for blanket strength, protection, and less dust
- Safer fiber construction* for contractor peace of mind

* Has been demonstrated to be soluble in the lungs according to EU guidelines 67/548/EWG, Note Q for biopersistence.

3M™ Fire Barrier Plenum Wrap 5A



This non-asbestos fire resistance wrap is a patented inorganic blanket encapsulated with scrim-reinforced foil.

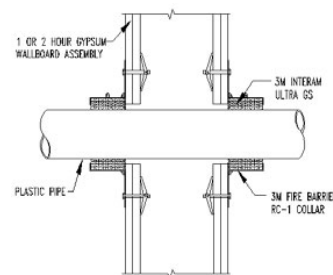
Provides a flexible non-combustible enclosure for **cables and pipe in return air plenums** as tested to UL910/NFPA262. Use with single or multiple 1" and larger plastic pipes and cables including PVC, CPVC, PB, PE, PP, PVDF, and ABS. No offgassing during fire exposure.

3M™ Interam™ Ultra GS



A firestop used with the 3M™ Fire Barrier RC-1 Restricting Collar.

- Intumescent and endothermic
- No waste—roll out and cut as much material as you need from the 40-foot (12 m) roll
- Works with a wide variety of plastic pipes



3M™ Interam™ T-49 Tape



Designed to seal the cut edges of 3M™ Interam Mats and 3M™ Fire Barrier Duct Wrap to complete the total encapsulation.

- 3-mil aluminum foil
- Acrylic adhesive performs in high temperatures

3M offers many resources to help you learn about firestopping and how to choose the right firestop products. For more information, contact one of our support services:

Warranty and Limited Remedy. This product will be free from defects in material and manufacture for a period of ninety (90) days from date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period stated above, your exclusive remedy and 3M's sole obligation shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product.



Printed in U.S.A.

© 3M 2003 98-0400-4937-5 (1133)ii