



Fire Barrier Packing Material PM4 Bulk

Bulk Packing Material for Through Penetration Firestop Systems

Product Data & Installation Instructions



Packing Material Classified by Underwriters Laboratory, Inc.® For Use In Through-Penetration Firestop Systems (XHEZ). See Current UL Fire Resistance Directory.

1. Product Description

3M™ Fire Barrier Packing Material PM4 Bulk is designed to be used as an alternative packing material to mineral wool, fiberglass and backer rod in through-penetration firestop systems. With excellent strength and flexibility characteristics, it is an ideal through-penetration packing material. PM4 is also non-asbestos, mold resistant, and inorganic. This installation friendly material is easy to dispense and its compact packaging is optimized for portability. The smooth textured woven material can be torn by hand, eliminating the need for a knife.

2. Applications

Packing material is a part of many through-penetration firestop systems. 3M Fire Barrier Packing Material is approved for use in 3M's Underwriters Laboratories (UL) listed firestop systems. These Systems achieve up to 4 hour fire ratings when tested by Underwriters Laboratory, Inc. in accordance with ASTM E 814 (UL1479).

Prior to installation, refer to the appropriate third party listing or approval for proper installation instructions.

3. Availability

Product	Unit	Size	Unit	Wt.
3M Fire Barrier Packing Material PM4 Bulk	Roll	0.5 in. x 4 in. x 20.5 ft. (12,7mm x 101,6mm x 6,24 m)	1	3.42 lbs 1.55 kg

Stock# 98-0400-5529-9

4. Typical Physical Properties

Density: 4 PCF (nominal)

Surface Burning Characteristics:

Flame Spread: 0

Smoke Developed: 0

5. Performance

3M Fire Barrier Packing Material has been tested in accordance with the following:

ASTM E 84
Standard Test Method for Surface Burning Characteristics of Building Materials

ASTM E 136
Standard Test Method for Behavior of Material in a Vertical Tube Furnace at 750°C

ASTM E 814
Standard Test Method for Fire Tests of Through-Penetration Fire Stops.

ASTM C 1338
Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings

UL 1479
Fire Tests of Through-Penetration Firestops

Code Compliance

3M Fire Barrier Packing Material complies with requirements of the following codes:

ICC International Building Code

Legacy Codes

BOCA National Building Code

ICBO Uniform Building Code

SBCI Standard Building Code

This is only a partial list of code compliance. For the latest code and approval information go to www.3m.com/firestop or speak to your authorized 3M distributor or sales representative at (800) 328-1687.

6. Installation Techniques

3M Fire Barrier Packing Material PM4 should be installed in accordance with the following installation instructions.

Material and Equipment:

- 3M Fire Barrier Packing Material, 1/2 in. (12.7 mm) thick, 4 in. (101.6 mm) wide, 20.5 ft. (6,24 m). The 4 in. width meets or exceeds the parameters of most UL listed 3M firestop systems.
- Putty Knife (if needed)
- Protective Gloves

Storage: The 3M Fire Barrier Packing Material and must be stored in a dry warehouse environment. Pallets should not be stacked.

Preparatory Work: The surfaces of all openings and penetrating items need to be clean, dry, frost free and free of dust.

Method: Dispense the Packing Material by pulling it through the center opening of the package. Tear or cut-off the material once the desired length is extracted from the packaging.

If the pipe is centered within the opening, coil the Packing Material around the penetrating item and then slide it down into the opening. The material should be positioned so the 4 in. width is facing either the penetrating item or the sides of the opening.

In openings where the penetrating item(s) are installed off-center, the Packing Material should be coiled around the penetrating items until the nearest edge of the opening is reached. All remaining open space should be filled with strips or coils of Packing Material until the entire opening is filled.

An installation method that is especially suited for large and/or rectangular openings is to install the material in a continuous accordion pattern. For a wall opening, a beginning course of material is installed along the bottom of the opening. When the material reaches the edge of the opening, fold the material back over itself and then continue on in the opposite direction. Repeat this zigzag pattern until the opening is completely filled up.

In all instances the firestop system requirements for Packing Material compression should be followed.

Also, recess the Packing Material to accommodate the depth of fill material required by the firestop system.

When the required depth of Packing Material is less than the 4 in. width of the material, the Packing Material can be folded into a “U” shape to achieve the required width of Packing Material. The material should be inserted into the opening with bottom of the “U” shape pointing into the opening.

If sliding the material into the opening by hand alone becomes difficult, a putty knife or similar tool can be used to aid in stuffing the Packing Material into the opening.

7. Maintenance

No maintenance is required when installed in accordance with the 3M Installation Instructions.

8. Purchase Information

3M Fire Barrier products are available through a network of nationwide distributors. For information on where to buy, go to www.3m.com/firestop.

9. Safe Handling Information

Consult Material Safety Data Sheet prior to handling and disposing of 3M Packing Material PM4.

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 OR 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 method of application. If this 3M product is proved to be 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 product.

Limitation of Liability. Except where prohibited by law, 3M will not be liable for any loss or damages arising from the use of this 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



Building & Commercial Services Division

3M Center 223-2S-24
St. Paul, MN 55144-1000
Ph. (800) 328-1687
www.3m.com/firestop