

3M 98040054540

3M Fire Barrier Moldable Putty Stix MP+ User Manual

Brand: 3M

1. INTRODUCTION

The 3M Fire Barrier Moldable Putty Stix MP+ is a specialized, one-part, re-enterable, and intumescent putty designed for firestopping applications. This product is formulated in a dark red color and is easily moldable, providing up to 4 hours of fire protection in fire-rated assemblies. It is effective in sealing through penetrations and blank openings, and also contributes to a draft and cold smoke seal, while helping to reduce noise transfer.



Image 1.1: The 3M Fire Barrier Moldable Putty Stix MP+ shown with its packaging, highlighting its moldable and re-usable nature.

2. SAFETY INFORMATION AND WARNINGS

Important Notice: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. These products are **not** intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature). Users must select and use this product in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage.

- Always wear appropriate personal protective equipment (PPE) when handling and applying the putty.
- Ensure adequate ventilation in the work area.
- Keep out of reach of children and untrained personnel.
- Do not ingest. In case of ingestion, seek immediate medical attention.

- Avoid prolonged skin contact. Wash hands thoroughly after handling.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

3. PRODUCT OVERVIEW AND FEATURES

The 3M Fire Barrier Moldable Putty Stix MP+ is engineered for reliable fire protection and sealing.

Key Features:

- **Tested Firestop Performance:** Tested and listed up to 4-hours in accordance with ASTM E814 (UL 1479) and CAN/ULC S115.
- **STC Rated:** Achieves an STC-rating of 56 when tested in an STC 56-rated wall assembly, contributing to noise reduction.
- **Ready to Use Immediately:** A one-part, ready-to-use, re-enterable, intumescent putty stick that can be easily formed to firestop through-penetrations and blank openings in fire-rated assemblies.
- **Creates a Long Lasting Seal:** Provides an effective draft and cold smoke seal.
- **Remains Workable Over Time:** Will not dry out or crumble, offering a re-enterable and repairable solution for future modifications.
- **Noncorrosive:** Designed not to corrode metal and is compatible with synthetic cable jackets, ensuring material integrity.

What's in the Box:

- FIRE BARRIER MOLDABLE PUTTY STICK

3M™ Fire Barrier Moldable Putty Stix MP+

Red, 1.45 in x 6 in



12
count

Image 3.1: A single 3M Fire Barrier Moldable Putty Stix MP+, indicating its typical size and form.

4. SETUP

The 3M Fire Barrier Moldable Putty Stix MP+ is a one-part, ready-to-use product that requires minimal setup. Ensure the application area is clean, dry, and free of loose debris.

1. **Inspect the Area:** Identify the through penetration or blank opening that requires firestopping. Ensure the surrounding surfaces are structurally sound.
2. **Prepare the Surface:** Clean any dust, grease, or moisture from the surfaces where the putty will be applied.
3. **Prepare the Putty:** The putty is ready to use directly from its packaging. No mixing or special tools are required beyond what is needed for shaping and application.

5. OPERATING INSTRUCTIONS (APPLICATION)

The moldable nature of the putty allows for flexible application in various configurations.

1. **Determine Quantity:** Estimate the amount of putty needed to fill the opening completely, ensuring a tight seal around penetrants.
2. **Mold the Putty:** Take a piece of the putty stick and mold it by hand to the desired shape and size. The putty is highly pliable and can be shaped to conform to irregular openings or around cables and pipes.
3. **Apply the Putty:** Firmly press the molded putty into the opening, ensuring it makes full contact with all surfaces of the penetration and any cables or pipes passing through. Work the putty to eliminate any gaps or voids.
4. **Smooth and Finish:** Once the opening is filled, smooth the surface of the putty to create a uniform and aesthetically pleasing finish.



Image 5.1: Demonstrates the application of the putty around a corrugated pipe, showcasing its moldability for effective sealing.



**STC-rating of 56 when tested in
STC 56-rated wall assembly**

Image 5.2: Illustrates the putty applied around a pipe, emphasizing its contribution to STC (Sound Transmission Class) rating in wall assemblies.

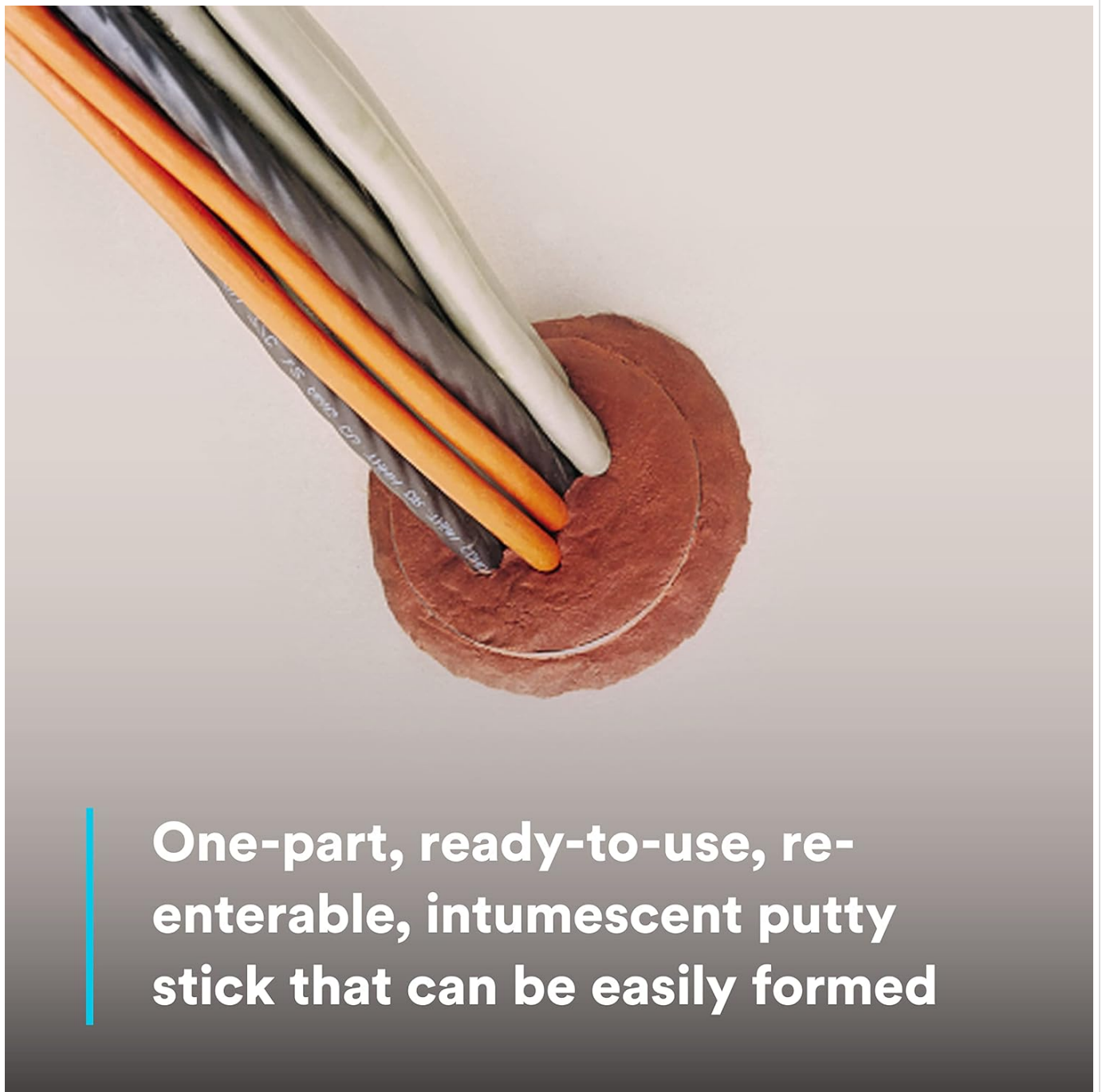


Image 5.3: Shows the putty being molded and applied around multiple cables passing through an opening, demonstrating its versatility.

6. MAINTENANCE

The 3M Fire Barrier Moldable Putty Stix MP+ is designed for long-term performance with minimal maintenance. Its re-enterable and repairable nature allows for easy modifications.

- **Inspection:** Periodically inspect the applied putty for any signs of damage, cracking, or dislodgement.
- **Re-entry and Repair:** If cables or pipes need to be added, removed, or replaced, the putty can be easily pulled away, modified, and then re-applied to maintain the firestop seal. The putty will not dry out or crumble, ensuring its workability over time.
- **Cleaning:** If necessary, gently clean the surface of the putty with a damp cloth. Avoid using harsh chemicals that may degrade the material.

7. TROUBLESHOOTING

While the 3M Fire Barrier Moldable Putty Stix MP+ is straightforward to use, here are some common considerations:

- **Poor Adhesion:** Ensure the surface is clean, dry, and free of contaminants before application. The putty adheres best to clean, non-porous surfaces.
- **Incomplete Seal:** If gaps or voids are present after application, remove the affected putty, reshape, and re-apply with firm pressure to ensure full contact and a complete seal.
- **Putty Too Stiff (Cold Conditions):** If the putty is too stiff due to cold temperatures, allow it to warm up to room temperature before use to improve pliability.

8. SPECIFICATIONS

Attribute	Detail
Product Name	3M Fire Barrier Moldable Putty Stix MP+
Model Number	98040054540
Manufacturer	3M
Formulation	One-part, Re-enterable, Intumescent Putty
Color	Red
Fire Rating	Up to 4 hours (ASTM E814 / UL 1479, CAN/ULC S115)
STC Rating	56 (when tested in STC 56-rated wall assembly)
Corrosivity	Noncorrosive to metal
Compatibility	Compatible with synthetic cable jackets
Product Dimensions	7.9 x 6 x 8.4 inches; 1.6 ounces (packaging dimensions)
Stick Dimensions	1.45 inches x 6 inches

9. SUPPORT AND FURTHER INFORMATION

For additional product information, technical data sheets, or to consult with a subject matter expert regarding the proper selection and use of 3M industrial and occupational products, please visit the official 3M website or contact 3M customer support.

Official Website: www.3M.com

It is recommended to consult your on-site safety professional or industrial hygienist for specific application guidance and compliance with local regulations.