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3M MP+1.4X11

3M Fire Barrier Moldable Putty Stix MP+

MODEL: MP+1.4X11

Product Overview

The 3M Fire Barrier Moldable Putty Stix MP+ is a one-part, ready-to-use, re-enterable, intumescent putty designed for firestopping through penetrations and blank openings in fire-rated assemblies. This product expands when exposed to heat, forming a protective char that helps prevent the spread of fire, smoke, and toxic gases. It is moldable and easy to apply, making it suitable for various applications in building construction and fire safety. The putty adheres well to common building materials such as concrete, metal, and wood.

Image: A single stick of 3M Fire Barrier Moldable Putty Stix MP+, showing its red-orange color and pliable texture.

Safety Information

Always read and understand the Safety Data Sheet (SDS) before using this product. Proper personal protective equipment (PPE) should be worn during handling and application. Ensure adequate ventilation in the work area.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

- Keep out of reach of children.
- Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water.
- Do not ingest. If swallowed, seek immediate medical attention.
- Dispose of product and packaging in accordance with local regulations.

Setup and Installation

Follow these steps for proper application of the 3M Fire Barrier Moldable Putty Stix MP+:

1. **Surface Preparation:** Ensure the surfaces where the putty will be applied are clean, dry, and free from dust, grease, or loose debris.
2. **Application Temperature:** Apply the putty in temperatures ranging from 40°F (4°C) to 120°F (49°C).
3. **Forming the Putty:** The putty is moldable. Knead or shape the putty by hand to fit the contours of the penetration or opening.
4. **Filling Openings:** For through penetrations (e.g., pipes, cables), pack the putty firmly into the annular space around the penetrating item. Ensure a minimum depth as specified by local building codes and firestopping requirements.
5. **Blank Openings:** For blank openings, form the putty into a plug or dam to completely seal the opening.

6. **Compression:** Apply sufficient pressure to ensure good adhesion to the substrate and to eliminate voids.
7. **Multiple Layers (if needed):** For larger openings or specific fire ratings, multiple layers may be required. Consult relevant firestopping system designs.



Image: An example of 3M Fire Barrier Moldable Putty applied around a pipe penetration in a wall, demonstrating its use in firestopping applications.

Operating and Usage

Once applied, the 3M Fire Barrier Moldable Putty Stix MP+ functions as a passive fire protection system. It is designed to expand (intumesce) when exposed to high temperatures, creating a fire-resistant seal that helps maintain the integrity of fire-rated walls and floors. The re-enterable nature of the putty allows for easy modification or addition of services through the firestopped opening without compromising the fire rating, provided the putty is properly re-sealed.

Maintenance

The 3M Fire Barrier Moldable Putty Stix MP+ typically requires minimal maintenance once properly installed. Periodically inspect firestopped penetrations for any signs of damage, degradation, or changes to the services passing through them. If the putty is disturbed or new services are added, ensure the opening is re-sealed with additional putty to maintain the fire rating. The putty's re-enterable property facilitates this process.

Troubleshooting

- **Poor Adhesion:** Ensure surfaces are clean, dry, and free of contaminants. Apply sufficient pressure during installation.
- **Incomplete Seal:** Verify that the putty completely fills the annular space or opening. Add more putty if necessary to achieve the required depth and seal.
- **Putty Too Stiff:** If the putty is too stiff due to cold temperatures, allow it to warm up to room temperature before use. Kneading it can also help soften it.
- **Putty Too Soft:** If the putty is too soft due to high temperatures, cool it down slightly before use.
- **Fire Rating Concerns:** Always refer to the specific firestopping system designs and local building codes to ensure the correct application and amount of putty for the desired fire rating. Consult a fire protection engineer if unsure.

Specifications

Attribute	Detail
Model Number	MP+1.4X11
Product Dimensions	13.21 x 8.26 x 3.83 inches
Item Weight	10.56 Pounds (for 10 EACHS)
Item Form	Putty
Special Feature	Fire Resistant, Intumescent, Re-enterable
Compatible Material	Concrete, Metal, Wood
Specific Uses	Fire Safety, Building Construction, Fire Barrier Creation

Attribute	Detail
Manufacturer	3M
Date First Available	August 8, 2014

Warranty and Support

For specific warranty information regarding the 3M Fire Barrier Moldable Putty Stix MP+, please refer to the official 3M product documentation or contact 3M customer support directly. 3M stands behind its products and provides technical assistance for proper application and performance.

Contact 3M: For technical questions, product support, or to obtain Safety Data Sheets (SDS), please visit the official 3M website or contact their customer service department. You can often find contact information on the product packaging or on the 3M Industrial website: [3M Contact Us](#).

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