



3M™ Fire Barrier Mortar

Product Data Sheet

1. Product Description

3M™ Fire Barrier Mortar is a lightweight gypsum-based and endothermic firestop that is ready for mixing with potable water. 3M™ Fire Barrier Mortar will firestop penetrations passing through fire-rated floor or wall assemblies and other fire-rated interior building construction. 3M™ Fire Barrier Mortar exhibits excellent adhesion to a full range of construction substrates and penetrants. In addition, it will act as a heat sink, absorbing heat from penetrants and reducing the likelihood of combustible matter igniting on the unexposed side of the assembly.

Variable Mix Ratio: permits self-leveling as well as trowelable application consistencies, resulting in labor savings.



Cost-effective firestopping for through penetrations. Available in 5 gallon (28 pound) pails and 44 pound bags.

Product Features

- Firestop tested up to 3 hours in accordance with ASTM E 814 (UL 1479) & CAN/ULC-S115
- UL/ULC listed systems (including concrete floors up to 2-1/2 in. (63.5 cm) minimum thickness)
- Excellent adhesion: bonds to concrete, metals, wood, plastic and cable jacketing
- Re-enterable/repairable with common hole saw
- Paintable with primer
- Halogen-free formula
- Water clean up (prior to cure)

Product Color: Off-white with Dark Flecks

2. Applications

3M™ Fire Barrier Mortar is a cost-effective firestop typically used to seal mechanical and electrical service penetrations, blank openings and other large annular spaces in fire-resistance rated wall and floor assemblies with ratings up to 3 hours. The firestop material can be mixed to a self-leveling consistency (2 parts mortar mix: 1 part water) for floor applications or it can be mixed to a trowelable consistency (3 parts mortar mix: 1 part water) for application to vertical and horizontal substrates.

3. Specifications

3M™ Fire Barrier Mortar is a one-component endothermic firestop capable of filling large voids in fire-rated walls and floors. The firestop material can be mixed to a self-leveling consistency (2 parts mortar mix: 1 part water) for floor applications or it can be mixed to a trowelable consistency (3 parts mortar mix: 1 part water) for application to vertical and horizontal substrates. The mortar shall be listed by independent test agencies such as UL and ULC. 3M™ Fire Barrier Mortar shall be tested to and pass the criteria of ASTM E 814 (UL 1479) Standard Test Method for Fire Tests of Penetration Firestop Systems, and CAN/ULC-S115 Standard Method of Fire Tests of Firestop Systems. 3M™ Fire Barrier Mortar meets the requirements of the IBC, IRC, IFC, IPC, IMC, NBCC, NFPA 5000, NEC (NFPA 70) and NFPA 101.

Typically Specified MasterFormat (2004)

Division 7
Section 07 84 00 – Firestopping

Related Sections

Section 07 27 00 – Air Barriers
Section 07 84 16 – Annular Space Protection
Section 07 86 00 – Smoke Seals
Section 07 87 00 – Smoke Containment Barriers



