



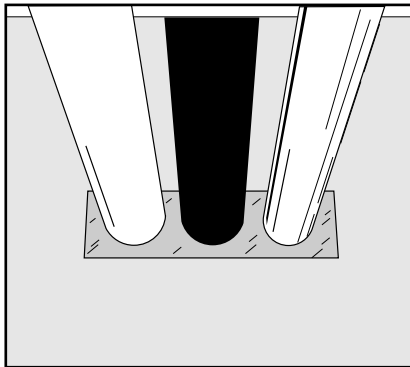
SERIES SSM FIRESTOP MORTAR

APPLICATIONS

SpecSeal® Firestop Mortar is used to seal through-penetrations as well as construction gaps and blank openings. This product is also used in conjunction with other SpecSeal® Firestop Products such as SpecSeal® Firestop Collars and Wrap Strips.

SpecSeal® Firestop Mortar has been tested for a wide range of penetrants including metallic pipes, cables, cable trays (both steel and aluminum), as well as combustible penetrants such as plastic pipes or insulated metallic pipes (when used in conjunction with other SpecSeal® intumescent products).

SpecSeal® Firestop Mortar is suitable for openings of all sizes. Its method of application makes it specifically useful for medium to large openings with simple to very complicated combinations of penetrants.



PHYSICAL PROPERTIES

TABLE A:	
Color	Pale red
Flame Spread	0*
Smoke Developed	<5*
Odor	No perceptible odor
Density (as shipped)	Bulk approx. .45 – .55
Density Mixed (wet)	.80g/L ± .03 (6.4 – 6.9 lb./gal.)
Density (dry mortar)	.65 g/L (5.4 lb./gal., 40.5 lb./cu. ft.)
Ratio Water/Mortar	14.3/22 to 17.6/22
Yield (per 22 lb.)	1,250 – 1,425 cu. in. (20.5 - 23.4 L)
Shelf Life	No Limit
Application Temp.	35°F – 100°F (2°C - 38°C)
Open Time	30 Minutes working time

* Tested to ASTM E84 (UL723) at 14% surface coverage (modified test for sealants and caulks)

PRODUCT DESCRIPTION

SpecSeal® Firestop Mortar is an economical, light-weight portland cement-based firestop product. This passive (non-intumescent) material utilizes a combination of heat sinking and insulating properties to provide an extremely high level of fire resistance.

SpecSeal® Firestop Mortar mixes with water to form a non shrinking, high yield mortar that may be applied by pouring, pumping, or troweling.

Its low density and light weight means that less forming as well as less forming support is required. Its low density also makes re-penetration for retrofitting a simple task.

SpecSeal® Firestop Mortar is designed to dry quickly and will not crack or spall due to freezing or changes in temperature. Its adhesion is due to a chemical bond thus most installations require little or no mechanical anchoring.

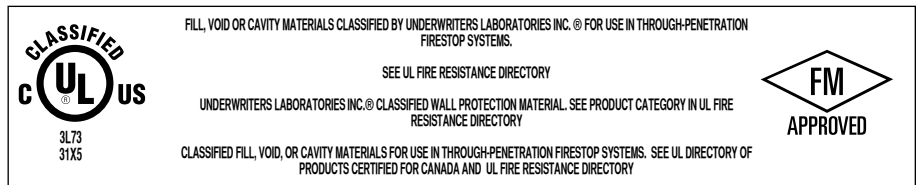
FEATURES

- **Light Weight:** Less forming and support required.
- **Fast Drying:** Forms come down faster!
- **Low Density:** Easy retrofit!
- **Economical:** Highest yield per pound means lower installed cost.
- **Wide Range of Application:** Includes aluminum cable tray.
- **Red Color** for easy identification and inspection.
- **Chemical Adhesion** reduces the need for expensive and time consuming concrete fasteners.
- **Versatile Performer** for a wide range of complex applications.
- **Paintable**

PERFORMANCE

SpecSeal® Firestop Mortar is the basis for systems that meet the exacting criteria of ASTM E814 (UL1479). Systems have been tested for all common forms of masonry construction and most common penetrants with ratings up to 3 hours.

STI designed firestop systems are engineered to maximize the fire resistance of the seal by not only sealing off the spread of fire and hot gasses but also by minimizing the amount of heat conducted through the assembly. Thus all systems have been designed to provide T Ratings capable of matching the rating of the wall or floor assembly (where possible) when tested without penetrants.



SPECIFICATIONS

The firestopping material shall be a light-weight, fast drying portland cement based material. The density of the wet mortar shall be = 52 lb./cu.ft. The density of the dry mortar shall be = 45 lb./cu.ft. The specified mortar shall be approved for a wide range of applications including combustible and noncombustible penetrants when used by itself or in combination with other products from the same manufacturer. The firestop mortar shall be UL Classified and/or FM Systems Approved and tested to the requirements of ASTM E814 (UL1479).

SPECIFIED DIVISIONS

- DIV. 7 07840 Through-Penetration Firestopping
- DIV. 13 13900 Special Construction Fire Suppression & Supervisory Systems
- DIV. 15 15250 Mechanical Insulation – Fire Protection
- DIV. 16 16050 Basic Electrical Materials & Methods

