



SRM MORTAR

The STEBBINS Engineering and
Manufacturing Company
Watertown, NY USA
<http://www.StebbinsEng.com>

PRODUCT INFORMATION

DESCRIPTION

STEBBINS' SRM MORTAR is a two-component, room temperature cured epoxy resin derived mortar designed specifically for use in brick lined floors requiring resistance to sulfuric acid and caustic spills. SRM MORTAR is resistant to all concentrations of sulfuric acid and a wide range of chemicals including sodium hydroxide, sodium hypochlorite and hydrochloric acid under the normal operating conditions of chemical resistant brick lined floors.

ADVANTAGES

Although most silicate cements offer good protection against sulfuric acid, they can offer poor resistance to solutions having alkalinity and are often washed away by neutral solutions. SRM MORTAR is resistant to sulfuric acid plus other solutions which are not tolerated by silicate cements. SRM MORTAR has outstanding adhesion to ceramics, high compressive strength, and unlike the silicates, has virtually no absorption.

COMPONENT PACKAGING

One (1) unit of SRM Mortar is supplied as two (2) separately packaged components.

COMPONENT	PACKAGING	WEIGHT PER CONTAINER
SRM Mortar Part A (White)	3-gallon (11.4 L) Steel pail	30.0 lb. (13.6 kg) net.
SRM Mortar Part B (Black)	½ gallon (1.9 L) snap-lid can	5.0 lb. (2.3 kg) net.

TYPICAL PHYSICAL PROPERTIES

Physical State	Solid
Composition	Epoxy Mortar
Color	Gray
Density	109 lb./ft ³ (1746 kg/m ³)
Coverage per unit	0.32 ft ³ (0.009 m ³)
Compressive Strength, (ASTM C-579)	15000 psi (103 MPa)
Water Absorption, % (ASTM-C-413)	< 0.1%
Shrinkage Upon Cure	0%

MIXING

SRM Part A and SRM Part B can be mixed together by volume or by weight. The components are color coded to provide a visual guide for uniformity and completeness of mixing. If after mixing, streaks of the white colored Part A are visible in the mortar, mixing is continued until the streaks are no longer visible.

COMPONENT	MIX RATIO BY VOLUME	MIX RATIO BY WEIGHT
SRM Mortar Part A	6.5 part by volume	6 part by weight
SRM Mortar Part B	1 parts by volume	1 part by weight

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WORKING AND SETTING TIMES (approximate)

TEMPERATURE	Working Time	FINAL SET
70°F (21°C)	35 minutes	90 minutes

As the temperature increases, the working time of the mortar will decrease.

SRM MORTAR **must be cured** a minimum of 48 hours at a minimum temperature of 70°F (21°C) before being placed into service.

APPLICATION

The acid brick must be dry and preferably at room temperature. Acid brick must be dense with clean, square-cut edges. Joint thickness should range from 1/8" (3 mm) to 1/4" (6 mm). Once the SRM has begun to set, it cannot be retempered with additional paste or diluents.

STORAGE

SRM MORTAR components must be stored in a cool, dry area until used to obtain the optimum working characteristics. Do not store in direct sunlight.

SAFETY PRECAUTIONS/DISCLAIMER

Mixes and applications of this product present a number of hazards. The purchaser and user must read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

All data contained in this Product Information sheet are averaged results of ASTM tests on laboratory prepared samples. Reasonable variations can be expected. The data should not be used for specification purposes.

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