

SPECCRETE® GUNITE MORTAR

DRY MIX PROCESS GUNITE MORTAR

DESCRIPTION: Specco Speccrete® Gunitite Mortar is a ready to use, pre-packaged, high early strength cement mortar designed for general repair and restoration of concrete and masonry, using the dry mix gunitite method. Speccrete Gunitite Mortar may be used interior or exterior, in horizontal, vertical or overhead applications such as tunnel supports or linings, slope stabilization work, or general concrete rehabilitation. Speccrete Gunitite Mortar is pre-blended for ideal consistency and formulated for low water permeability and freeze-thaw resistance. Gunitite Mortar contains silica fume and other additives for improved adhesion with thicker layers, resulting in a greater shooting efficiency with reduced rebound and sag.

BENEFITS: IMPROVED ADHESION...LOW REBOUND...NON-CORROSIVE...NON-SHRINKING.

COMPOSITION: Blend of pozzolan-modified cements (meets ASTM C-595 Type IP MS), selected aggregates, silica fume, non-chloride accelerators and added ingredients.

TECHNICAL DATA:

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Initial set per ASTM C-266:	4-5 minutes
Final set per ASTM C-266:	7-8 minutes
Yield per 50# Bag:	0.5 cubic feet / 0.013 cubic meters
24 hours compressive strength per ASTM C-109:	2050 psi
48 hours compressive strength per ASTM C-109:	4200 psi
28 days compressive strength per ASTM C-109:	7150 psi

***Above strength data was generated from the recommended water to powder ratio of 12.00%**

DIRECTIONS FOR USE: Areas to be shotcreted shall be clean and free of oil, grease, dirt, deteriorated concrete and all contaminants. If necessary, abrade the area to be coated to provide a bondable surface, minimum 1/4" profile. Pre-wet the prepared surface with potable water just prior to shotcreting.

Place Speccrete Gunitite Mortar into the shotcrete hopper and add water at the nozzle. The mortar consistency should be "plastic" or as a firm jelly. Observe the consistency of the mortar at all times to minimize rebound. Use proper air pressure to obtain an even pass and smooth surface. Maintain a distance of 4 feet between the nozzle and the surface, holding the nozzle at a 90° angle to the surface. If needed, at approximately 10 minutes after initial set, scrape or smooth the shotcrete surface as required. Follow ACI guidelines for shotcreting.

Proper curing of Speccrete Gunitite Mortar is extremely important and should be performed in accordance with ACI recommendations. Use water mist spray, wet burlap or a quality-curing compound such as Specco Envirocure 1315.

CAUTIONS: Use Speccrete Gunitite Mortar in dry process shotcreting only. Surface temperature must be 45° F and rising. Minimum application thickness is 1/4". When estimating coverage rates, make allowances for rebound, cut off, and waste. Application of curing compounds is crucial in less than ideal ambient conditions (high wind, low humidity, high temperature) to ensure proper curing and strength development. For applications requiring resistance to pH levels of less than 2, a proper epoxy liner product should be used as a topcoat.

WARNINGS: Contains cement and silica, avoid inhalation of dust. Wear gloves during the mixing and placement of material. Avoid contact with skin and eyes. Wear protective face shield and eye protection, gloves, and OSHA or NIOSH approved respirator during application.

WARNINGS (continued): Maintain adequate airflow during the spray process. Keep away from food and drink. Do not take internally. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES: HEALTH = 1, FLAMMABILITY= 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

SHIPPING NAME: Concrete Coating – cement powder base Not regulated

SHIPPING CLASS: ITEM 42130, SUB 2, LTL 50

PACKAGING: 50 lb. bag (22.70 kg)

STORAGE: 40° to 90° F. Store in a dry place.

SHELF LIFE: 1 year properly stored

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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