

SI 500 Type N

Preblended Masonry Cement Mortar



Description

Amerimix SI 500 Preblended Masonry Cement Type N Mortar is a masonry cement preblended mortar. SI 500 Type N mortar exceeds ASTM C270 and ACI 530 code requirements for masonry mortars.

Materials

SI 500 Type N Mortar is manufactured using ASTM C91 Masonry Cement and dried Mason's Sand complying to ASTM C144 Standard Specification For Aggregate For Masonry Mortar. SI 500 Color utilizes standard preblended mortar with pigments added to comply with ASTM C979 Standard Specification for Pigments in Integrally Colored Concrete.

Benefits

Consistency - Preblended product eliminates jobsite problems of inconsistent mortar batches

High bond strength is gained through increased workability and ease of placement of the mortar, plus the consistent cement-to-aggregate ratio obtained by using preblended mortar

Extended mortar board life means less retempering is required in hot or windy climates

Increased yield compared to field mixed mortar

Uses

Amerimix SI 500 Type N mortar is intended for use where a consistent product is required. SI 500 Type N is recommended for exterior or interior use, above grade, for load bearing and non-load bearing construction. SI 500 Type N mortar can be used to install brick, block and stone per specification and is recommended for all masonry veneer work. Type N mortars are recommended for use in brick veneer work by the BIA. SI 500 Type N can be pigmented to meet architectural specifications.

Installation

Mortar should be mixed to a fluid workable consistency for a minimum of 5 minutes in a mechanical mixer and should be discarded 2-1/2 hours after mixing. Only water lost to evaporation should be replaced by retempering, not water lost to hydration. The retempering of mortar may alter the color and appearance of the mortar joint plus may reduce bond and compressive strength. Concave tooling of mortar joints should be performed when mortar joint is thumbprint hard. Field tested mortar is not expected to meet physical property requirements of ASTM C270.

Property Specification Requirements

Mortar	Compressive Strength Minimum psi (MPa)	Water Retention Minimum %	Air Content Maximum %
ASTM C270 Type N	28 days 750 (5.2)	75	18
SI 500 Type N	28 days 1,092 (7.5)	89	16.1

Packaging & Storage

SI 500 Preblended Masonry Cement Type N Mortar is available in 3,000 lb. super sacks and 80 lb. bags. SI 500 Type N contains cement and should be covered to protect from weather.

Certification & Quality Control

AMERIMIX certifies that SI 500 Type N when shipped from its plant, terminals or distributors will meet the current requirements of Specifications for ASTM C270. Certified test reports based on ASTM requirements are available from the manufacturer. Particular mix designs for the product is proprietary information which may be submitted at the discretion of AMERIMIX. Wash down to be performed by a qualified contractor using a proprietary cleaner such as SureKlean or Vanitrol and applied per the manufacturer's recommendation. No unbuffered muriatic acid allowed. The company makes no guarantee of finished work. The user is responsible for following recommended practices.

Safety Precaution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Product is alkaline and may burn or irritate upon contact with eyes or skin. Do not take internally. Use of safety goggles, rubber gloves and dust respirator is recommended. Avoid prolonged contact with clothing. This product contains crystalline silica. Take measures to contain and reduce dust. Prolonged exposure to crystalline silica may cause silicosis or other serious delayed lung injury. Avoid breathing dust. For prolonged exposure wear a respirator approved for protection against crystalline silica dust. Crystalline silica has been classified by IARC and NTP as a carcinogen.

Warranty

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal American's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAI AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND. Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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