



# PORTLAND LIME & SAND/COLOR MORTAR

U. S. A.

1-888-SPECMIX

DIVISION 04  
MASONRY PRODUCTS



## Consistent Color Every Batch.

SPEC MIX® PCL Sand Color is a dry, preblended mortar mix containing Portland cement, hydrated lime, dried masonry sand and color pigment formulated for superior bond, workability and board life. Meets ASTM C 270 requirements. It is designed to match, complement or contrast the entire scope of colors found in brick, block or masonry stone: brown, buff, tan, yellow, orange, red, black and white. Using only the finest and most

stable pigments available, the pigments are finely milled and specially mixed to ensure proper dispersion throughout the batch. SPEC MIX® colored mortar is available in the appropriate strengths and proper mix designs specified for the project. With PCL Sand Color mortar mix, complete quality control and color uniformity is ensured from batch to batch.

PCL Sand Color is produced under strict manufacturing standards, and complete quality control measures are implemented with each batch. A digital printout displaying the proper proportions per batch may be kept as a permanent record. Each SPEC MIX® manufacturer certifies that SPEC MIX® masonry products are designed to meet the project specifications and applicable ASTM and ACI standards.

### MATERIALS USED

PORTLAND CEMENT  
HYDRATED LIME  
SAND  
PIGMENT



CUSTOM COLOR MATCHES  
TOTAL QUALITY CONTROL WITH EVERY BAG  
ASTM C 270 LABORATORY TESTED MIX DESIGNS  
PREBLENDED WITH PIGMENT AND SAND  
TO MINIMIZE LABOR COST  
CONSISTENCY BATCH TO BATCH  
GREAT WORKABILITY AND BOARD LIFE  
NO SAND PILES OR WASTED MATERIALS LEFT ON SITE

## INSTALLATION/APPLICATION

Mortar type should correlate with the particular masonry unit to be used. The specifier should evaluate the interaction of the mortar type and masonry unit specified. That is, masonry units having a high initial rate of absorption will have greater compatibility with mortar that has a high-water retentivity. The material properties of mortar that influence the structural performance of masonry are compressive strength, bond strength and elasticity. Because the compressive strength of masonry mortar is less important than bond strength, workability and water retentivity, the latter properties should be given principal consideration in mortar selection. Select mortar based on the design requirements and with consideration of code and specification provisions affected by the mortar.

A sample of the proposed product will be provided by the manufacturer for architectural approval and testing, if required. Preparation of this panel with all materials and systems employed in the final project is imperative. Retain the mock-up or field sample through the completion of the project.

When mixing, a mechanical batch mixer best ensures homogeneity, workability and good board life. Use clean, potable water and add the maximum amount consistent with optimum workability. Mixing time is five minutes and should be consistent from batch to batch. Tool mortar joints when the surface is thumb-print hard. Keep tooling time consistent. Do not strike joints too early or too late as the color will not remain consistent with the mock-up panel. Hand mixing mortar should be permitted only with written approval by the specifier who should outline hand-mixing procedures. Mortar should be cured a minimum of 28 days. Clean masonry only with a national proprietary cleaning agent or potable water.

Mortar shall be used and placed in final position within two-and-one-half hours after initial mixing or discarded at that time. Retempering of colored mortar is not recommended. SPEC MIX® products are custom packaged to the specification. They must be kept dry, covered and protected from weather and other damage.

## SIZES AND EQUIPMENT

SPEC MIX® PLC Sand Color is available in 80 lb. (36 kg.) or 94 lb. (42 kg.) packages for easy hand loading or in 3000 lb. (1362 kg.) reusable bulk bags to be used with the various patented SPEC MIX® silo systems. When using the silo system, once the bulk bags of mortar are delivered to the project site, the portable silo is loaded with a jobsite forklift and the product is dispensed into a mechanical batch mixer. (See silo operations manual.)

## APPLICABLE STANDARDS: ASTM AND ACI

**ASTM C 144** STANDARD SPECIFICATION FOR AGGREGATE FOR MASONRY MORTAR: **ASTM C 150** STANDARD SPECIFICATION FOR PORTLAND CEMENT: **ASTM C 207** STANDARD SPECIFICATION FOR HYDRATED LIME FOR MASONRY PURPOSES: **ASTM C 270** STANDARD SPECIFICATION FOR MORTAR FOR UNIT MASONRY: **ASTM C 387** STANDARD SPECIFICATION FOR PACKAGED, DRY, COMBINED MATERIALS FOR MORTAR AND CONCRETE: **ASTM C 595** STANDARD SPECIFICATION FOR BLENDED HYDRAULIC CEMENTS: **ASTM C 780** STANDARD TEST METHOD FOR PRECONSTRUCTION AND CONSTRUCTION EVALUATION OF MORTARS FOR PLAIN AND REINFORCED UNIT MASONRY: **ASTM C 979** STANDARD SPECIFICATION FOR PIGMENTS FOR INTEGRALLY COLORED CONCRETE: **ASTM C 1093** STANDARD PRACTICE FOR ACCREDITATION OF TESTING AGENCIES FOR UNIT MASONRY: **ASTM C 1157** STANDARD PERFORMANCE SPECIFICATION FOR BLENDED HYDRAULIC CEMENT: **ASTM C 1314** STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF MASONRY PRISMS: **ACI 530.1-02** SPECIFICATION FOR MASONRY STRUCTURES: **IMIAC** HOT AND COLD WEATHER CONSTRUCTION GUIDE



## WARRANTY

Seller warrants that its Product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, except for claims for bodily injury, Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

## LIMITATIONS

SPEC MIX® PCL Sand Color mortar should be installed in accordance with the provisions of the local building code and applicable ASTM standards. Good workmanship coupled with proper detailing and design assures durable, functional, watertight construction.

## WARNING

This product contains greater than 0.1% crystalline silica. Avoid breathing dust; use a NIOSH-approved dust respirator and use only with adequate ventilation to keep dust levels below permissible levels. Also contains cementitious materials. Injurious to eyes. Contact with freshly mixed product can cause severe burns. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for 15 minutes. Consult a physician. Keep out of the reach of children.

## TECHNICAL SUPPORT

- CONTACT YOUR LOCAL SPEC MIX® MANUFACTURER
- VISIT [WWW.SPECMIX.COM](http://WWW.SPECMIX.COM)
- CONTACT SPEC MIX®, INC.  
PHONE: 888-SPEC-MIX FAX: 888-FAX-SPEC