

SGS CONCENTRATED X-SERIES WHITE CEMENT MORTAR COLOR TECHNICAL SPECIFICATION DATA

BASIC USE

Solomon Colors X-Series Concentrated Mortar Colors are pure mineral pigments designed to be used with all cementitious material, whether it may be type N, S, M or O strength masonry cement or Portland and lime mixtures. The pre-measured unit concept of SGS Mortar Color provides uniform color control with the cost-saving flexibility of utilizing local masonry and/or Portland and lime cements to achieve the proper strength and mix design for brick, block, stucco or stone unit construction. Since 18-20% of the visual surface of the average brick wall is mortar, the proper selection and use of an appropriate mortar color will dramatically enhance the visual impact and beauty of the masonry wall.

COMPOSITION & MATERIALS

SGS colors are products of pure natural and/or synthetic iron oxides which are finely milled (95-99% minus 325 mesh particle size) and blended under strict quality control procedures producing uniform and consistently strong tinting strength for maximum coloring power. Each SGS color exceeds the requirements set forth by ASTM C-979 "Pigments for Integrally Colored Concrete." SGS colors are inert, stable to atmospheric conditions, sunfast, weather resistant, alkali resistant, water insoluble, lime proof, nonbleeding natural and synthetic iron oxides, free of deleterious fillers and extenders.

PACKAGING

All SGS Concentrated Mortar Colors are packaged in sealed unit bags. The X-Series contains 18 unit bags per case. Each case contains enough color to lay approximately 5400 ("X") standard-size bricks, when properly mixed in white cement per mixing chart, using a 3/8" (9.5mm) mortar joint. Each unit bag is clearly identified with color name, number, weight, plus complete mixing instructions.

MIXING PROCEDURES

Mortar shall be mixed in a power mixer for a minimum of five (5) minutes or until a uniform color is obtained. Any change in proportioning the amount of color-to-cement and/or the type of cement, sand or water content can result in a variation of color tone in the finished work. DO NOT load the mixer beyond its recommended capacity. Overloading will reduce mixing efficiency. Request TIS Mortar Color Technical Information (SGS Concentrated Mortar Colors / Masonry Mortar 04060) data sheet for complete mixing instructions.

AVAILABILITY

SGS colors are readily available from stocks carried by an extensive network of building material dealers throughout the United States and Canada. Solomon Colors, Inc. dealers are also backed by reliable 24-hour factory services in processing and shipping of orders. Solomon Colors, Inc. has local sales representatives covering each state within the continental United States. For names of local dealers, distributors and sales representatives, contact Solomon Colors, Inc. at (217) 522-3112 or (800) 624-0261.

LIMIT OF WARRANTY & LIABILITY

Solomon Colors, Inc. warrants their product conforms to the description and standards stated on the product packaging and specific product literature. If properly mixed and applied, Solomon Colors, Inc. warrants the Concentrated Mortar Color to be uniform, lime proof and sunfast. The exclusive remedy of the user or buyer and the limit of liability of this company shall be the purchase price paid by the user or buyer for the quantity of the SGS product involved.

MASONRY CLEANING

In the event cleaning is required to remove masonry stains and efflorescence, the cleaning operation should be undertaken after the colored mortar has sufficiently cured, this is generally 7-14 days after the masonry installation. Avoid using hydrochloric (muriatic) acid. Use a commercially prepared "proprietary masonry cleaner" following the directions for the weakest solution recommended by the manufacturer. Request TIS Mortar Color Technical Information (SGS Concentrated Mortar Colors / Masonry Mortar 04060) data sheet for complete cleaning instructions.

SAMPLES

Color pigment samples are available for constructing job site mock-up panels. Contact your local Solomon Colors, Inc. building materials dealer, or Solomon Colors, Inc. direct at (217) 522-3112 or (800) 624-0261.



4050 Color Plant Road, Springfield, IL 62702
800-624-0261 • www.solomoncolors.com



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SGS Concentrated X-Series Mortar Colors have set the architectural and masonry standard for decades. Our innovative formulas, consistent coloring and depth of color choices enhance the beauty and value of brick, stone, and colored concrete block.

X-Series mortar colors are shipped in proportioned packages which have been accurately pre-weighed and measured, making work at the job site faster and easier. Each individual package is designated as one (1) color unit. It doesn't get much easier.

The mortar colors shown are achieved by the addition of one color unit to one bag of prepared masonry cement or weight equivalent of Portland and lime mortars. Shade variations can occur due to printing limitations, difference in local cements, sand, mix design and workmanship.

ASTM C270 SPECIFICATION for MORTAR Unit Masonry C270 includes the following mortars:	Number of SGS Color Units to be added with mortar mix "X" Series
Prepared masonry cements, ASTM C91, Types N, S or M: Two 70-80 lb (32-36 kg) bag white masonry cement ASTM C91, Type 1; 3 cu ft (.08 m ³) sand, ASTM C144	One X Unit
Portland cement/lime mortars, Type N, 750 psi (5168 kPa): One 94 lb (43 kg) bag white Portland cement, ASTM C150; One 50 lb. (23 kg) bag hydrated lime, ASTM C207; 6 cu ft (.17 m ³) sand, ASTM C144	One X Unit
Pre-blended masonry cement & sand, ASTM C91, Types N or S: Eight 80 lb (36 kg) bags white masonry cement ASTM C91; sand ASTM C144	One X Unit
Pre-blended Portland cement/lime & sand, Types N or S: Eight 80 lb (36 kg) bags white Portland cement, ASTM C150; hydrated lime, ASTM C207; & sand, ASTM C144	One X Unit
Portland cement/lime mortars, Type S, 1800 psi (12,400 kPa): Two 94lb (43 kg) bags white Portland cement, ASTM C150; One 50 lb (23 kg) bag hydrated lime, ASTM C207; 9 cu ft (.25 m ³) sand, ASTM C111	Two X Units
Portland cement/lime mortars, Type S, 1800 psi (12,400 kPa): One 94 lb (43 kg) bag white Portland cement, ASTM C150; Two 70 lb (32 kg) bags white masonry cement Type 1, ASTM C91; 9 cu ft (.25 m ³) sand, ASTM C144	Two X Units
Portland cement/lime mortars, Type M, 2500 psi (17,225 kPa): Two 94 lb (43 kg) bags white Portland cement, ASTM C150; One 25 lb (11 kg) bag hydrated lime, ASTM C207; 6 cu ft (.17 m ³) sand, ASTM C144; or	Two X Units
Portland cement/lime mortars, Type M, 2500 psi (17,225 kPa): One 94 lb (43 kg) bag white Portland cement, ATM C150; Two 50 lb (23 kg) bag white masonry cement Type 1, ASTM C91; 6 cu ft (.17 m ³) sand, ASTM C144	Two X Units
Portland cement/lime mortars, Type O, 350 psi (2412 kPa): One 94 lb (43 kg) bag white Portland cement, ASTM C150; Two 50 lb (23 kg) bags hydrated lime, ASTM C207; 9 cu ft (.25 m ³) sand, ASTM C144	Three X Units

10X

20X

22X

25X

30X

32X

33X

35X

37X

40X

41X

44X

45X

50X

70X

80X

85X

94X

97X*

Color chips represent shades of X-Series SGS Concentrated Mortar Colors obtained when used with two bags white masonry cement and light tan builder's sand.

*It is recommended that mortar colored with 97X pigment be either sealed as soon as possible after curing or be used indoors.