

TECHNICAL SPECIFICATION DATA

BASIC USE

Solomon Colors A, H, & 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 Solomon mortar colors 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, non-bleeding natural and synthetic iron oxides, free of deleterious fillers and extenders.

SPECIFICATION PROCEDURES

As detailed in the table, select the proper ASTM C-270 masonry mix design of Type N, S, M or O compressive strength for the masonry unit construction. Then, depending upon the masonry mix design, select the appropriate SGS color and specify the number of units to be added to the mortar mix.

PACKAGING

All SGS Concentrated Mortar Colors are packaged in sealed unit bags. The "A" Series contains 6 units, "H" Series 12 units, and "X" Series contains 18 color unit bags per case. Each case contains enough color to lay approximately 900 ("A"), 1800 ("H"), and 2700 ("X") standard-size bricks respectively, using a 3/8" (9.5 mm) mortar joint. Each unit bag is clearly identified with color name, number, weight, plus complete mixing instructions.

COLOR RANGE

SGS offers a wide color spectrum with A, H & X Series Mortar Colors. This offers precise color tones that are needed to complement or accentuate the broad range of color shades found in brick, stone, or colored block. Our color laboratory is available at no charge to match existing colored mortar, develop special color tones or to provide expert color assistance to solve your individual color needs.

MIXING PROCEDURES

Mortar shall be mixed in a mortar 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 SGS Tech-Data Masonry Mortar 04060 data sheets 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, 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 SGS Tech-Data Masonry Mortar 04060 data sheets for complete cleaning instructions.



ASTM C270 SPECIFICATION for MORTAR Unit Masonry C270 includes the following mortars:	Appropriate number of SGS Color Units to be added with mortar mix		
	"A" Series Color	"H" Series Color	"X" Series Color
Prepared masonry cements, ASTM C91, Types N, S or M: One 70-80 lb (32-36 kg) bag masonry cement ASTM C91 Type 1: 3 cu ft (.08 m3) sand, STM C144	One A Unit	One H Unit	One X Unit
Portland cement/lime mortars, Type N, 750 psi (5168 kPa): One 94 lb (43 kg) bag Portland cement, ASTM C150; One 50 lb. (23 kg) bag hydrated lime, ASTM C207; 6 cu ft (.17 m3) sand, ASTM C144	Two A Units	Two H Units	Two X Units
Preblended masonry cement & sand, ASTM C91, Types N or S: Four 80 lb. (36 kg) bags masonry cement ASTM C91, sand ASTM C144	One A Unit	One H Unit	One X Unit
Preblended Portland cement/lime & sand, Types N or S: Four 80 lb. (36 kg) bags Portland cement ASTM C150; hydrated lime, ASTM C207; & sand, ASTM C144	One A Unit	One H Unit	One X Unit
Portland cement/lime mortars, Type S, 1800 psi (12,400 kPa): Two 94 lb (43 kg) bags Portland cement, ASTM C150; One 50 lb. (23 kg) bag hydrated lime, ASTM C207; 9 cu ft (.25 m3) sand, ASTM C144; or Portland cement/lime mortars, Type S, 1800 psi (12,400 kPa): One 94 lb (43 kg) bag Portland cement, ASTM C150; Two 70 lb. (32 kg) bags masonry cement Type 1, ASTM C91; 9 cu ft (.25 m3) sand, ASTM C144	Three A Units	Three H Units	Three X Units
Portland cement/lime mortars, Type M, 2500 psi (17,225 kPa): Two 94 lb (43 kg) bags Portland cement, ASTM C150; 25 lbs. (11 kg) hydrated lime, ASTM C207; 6 cu ft (.17 m3) sand, ASTM C144 Portland cement/lime mortars, Type M, 2500 psi (17,225 kPa): One 94 lb (43 kg) bag Portland cement, ASTM C150; One 70 lb. (32 kg) bag masonry cement Type 1, ASTM C91; 6 cu ft (.17 m3) sand, ASTM C144	Three A Units	Three H Units	Three X Units
Portland cement/lime mortars, Type O, 350 psi (2412 kPa): One 94 lb (43 kg) bag Portland cement, ASTM C150; Two 50 lb. (23 kg) bags hydrated lime, ASTM C207; 9 cu ft (.25 m3) sand, ASTM C144	Two A Units	Two H Units	Two X Units
Portland cement/lime mortars, Type O, 350 psi (2412 kPa): One 94 lb (43 kg) bag Portland cement, ASTM C150; Two 50 lb. (23 kg) bags hydrated lime, ASTM C207; 9 cu ft (.25 m3) sand, ASTM C144	Three A Units	Three H Units	Three X Units
























SGS Concentrated 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.

All mortar colors are shipped in proportioned packages which have been accurately pre-weighted 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.



Color chips on these pages represent shades of "A," "H," and "X" Series SGS Concentrated Mortar Colors obtained when used with light gray masonry cement and light tan builder's sand.
































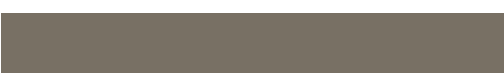






"A" Series Color

10A	
20A	
22A	
25A	
30A	
32A	
33A	
35A	
37A	
40A	
41A	
44A	
45A	
50A	
70A	
80A	
85A	
94A	
97A*	

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

SGS MORTAR COLORS

A, H, & X SERIES

"H" Series Color		"X" Series Color	
10H		10X	
20H		20X	
22H		22X	
25H		25X	
30H		30X	
32H		32X	
33H		33X	
35H		35X	
37H		37X	
40H		40X	
41H		41X	
44H		44X	
45H		45X	
50H		50X	
70H		70X	
80H		80X	
85H		85X	
94H		94X	
97H*		97X*	

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. (See table on back cover.)