

Premocoat™ SBC

Premocoat™ SBC is a single component, polymer-modified, fiber reinforced cementitious powder. It is used as a surface bonding cement for strengthening existing masonry walls and as an overlay that can be applied then stamped to provide an imprinted concrete look or texture. Choice of white or gray color is applied between 1/4" and 5/8" thick and accepts color hardeners, integral color and sealers. Can be used on interior and exterior vertical or horizontal surfaces and over new or existing concrete. Not to be used over substrates subject to hydrostatic pressure.

Expansion Joints

Expansion joints, saw cut control joints or structural cracks should never be bridged over with Premocoat™ SBC, all joints must be honed. Install expansion joints where the Premocoat™ SBC abuts restraining surfaces such as perimeter walls, dissimilar floors, curbs, columns and pipes. An architect or engineer should specify any required expansion joints and show location details on drawings.

Mixing Instructions

In a 5 gal pail, add 1 gal water and any pigment and mix with a low speed paddle mixer for a minute. Slowly add the Premocoat™ SBC material from the bag and, using the paddle mixer, mix thoroughly until a lump free mix is obtained. Add water if needed to achieve a runny milk shake consistency but never exceed 5 quarts total. In hot weather use cold water. A concrete mixer may also be used. After mixing, wait at least 5 minutes before using. Do not mix more material than can be applied within 30 minutes. Keeping temperatures, water and pigment amounts consistent is key to batch to batch uniformity. A 50 lb bag typically provides 18 sq ft of coverage at 3/8" thick.

Overlay

Surface Preparation

Surface must be structurally sound and free from dust, oils, gypsum based underlayments, paints and other foreign material before application of Premocoat™ Bonder or Base. Concrete must be completely exposed, fully cured and free of efflorescence. Hand troweled concrete must be acid etched using a 10% muriatic wash. Residue must be neutralized and flushed from floor with water.

Priming

Prime using Premocoat™ Bonder diluted one-to-one with water. Apply an even coat with roller or sprayer and brush or broom to work primer into pores of the substrate. Allow primer to dry to a "tacky" surface then apply Premocoat™ SBC. For substrates such as exposed aggregate use Premocoat™ Base as level-up and primer.

Application

Premocoat™ SBC should be applied over properly primed substrates between 40° and 90°F. Avoid applying on windy days as it may cause premature drying and surface cracking. Spread mix using a gauge rake or straight edge screed to achieve the desired thickness. Use a Fresno or trowel to work imperfections out of surface. Avoid freezing temperatures for the first 72 hours.

Surface Bonding

With a sound footing, level the first course of block on each floor in a full bed of mortar or SBC. If mortar is used wait four hours and if SBC is used wait one hour. Stack remaining courses without mortar

from corners in a running bond pattern. Butt blocks together. Fill gaps larger than 1/4" with SBC prior to finishing wall. Finish at least 1/2" thick on both sides of block.

Stucco

Surface Preparation

Remove any loose material, dust, oil or other contaminants. Substrate should have an open pored and/or textured surface. Do not apply to substrates which are frozen or contain frost or ice. Conforms to ASTM C926 for stucco finishes.

Priming

Prime surface using Premocoat™ Base or Bonder diluted one-to-one with water. Apply by spray, roller or brush. Allow primer to dry to a "tacky" surface then apply Premocoat™ SBC. Reapply Bonder if first application becomes dry prior to application of SBC.

Application

When finishing masonry walls Premocoat™ SBC is usually applied directly to the wall without the use of a lathe or metal mesh. For wood substrates a lathe is generally used. Apply first coat by trowel or plaster gun with a thickness of about 1/4". Surface should be scored to provide a mechanical key for the second coat. Cure for at least 24 hrs until dry. Mist the initial coat just prior to the application of the second coat by trowel. After application, and during curing, protect from wind driven rain for at least 24 hrs. Ambient temperatures must be over 45°F for at least the initial 24 hr period following application. Paint or sealer may be applied after a 72 hr cure period.

Cure Time

Depending on ambient conditions, a minimum cure is obtained in 12 to 24 hours. Strength increases significantly over the first 28 days.

Clean Up

Clean tools, mixing equipment and hands with water before the Premocoat™ SBC dries.

Caution: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

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