



Color Hardener

COLOR HARDENER is applied to the surface of freshly placed concrete or cement overlays on horizontal surfaces to provide a variety of colors. It is applied by the dry-shake method and after troweling into the surface of concrete while it is still in its plastic state, pattern skins and other imprinting tools may be used in conjunction with various release agents to enhance the surface texture of finished installations. COLOR HARDENER may be used on interior or exterior applications.

LIMITATIONS

COLOR HARDENER must not be used over gypsum-based surfaces. It is for use over concrete or cement based overlays that are still in their plastic state. Use in temperature range of 40°F to 90°F (Do Not allow Hardener to freeze for the first 72 hours). Do not use over substrates subject to hydrostatic pressure.

Subgrade Preparation

The subgrade must be compacted, flat and free of any soft areas as a result of excessive moisture. Moisten dry subgrade but do not allow any standing water prior to the application of concrete. Do not apply concrete over frozen subgrade. Follow professional practices of the American Concrete Institute for subgrade preparation and placement of concrete. Concrete: The concrete should be of a design mix that will meet the project requirements. The minimum cement content shall be 5 sacks per cubic yard and the maximum slump shall be 4 inches with a minimum of water content. Aggregates must be free of harmful materials and must be non-reactive.

COLOR HARDENER is compatible with most concrete additives except those containing calcium chloride.

Application

It is recommended that job site samples be created for evaluation by the owner prior to starting the installation. They should be made by the actual applicator using the same application and finishing techniques that will be used on the finished project. Pigments and fine aggregate may have settled during shipment and storage. It is advisable to pour the 60 pound bag into an empty 5 gallon bucket and mix the dry powder by hand to provide a homogeneous mixture prior to application. If multiple batch numbers are on the same job, blend the COLOR HARDENER of all batches together prior to application. Protect any adjacent areas that are not to receive COLOR HARDENER. Do not apply COLOR HARDENER until after the concrete or overlay has been placed, screeded and finished with a wood float. Do not hard trowel concrete prior to application of COLOR HARDENER. Wait until excess bleed water from the concrete has dissipated before application. COLOR HARDENER should be applied by the dry-shake method broadcasting the material at a rate of 60 pounds per 100 square feet. This rate should be achieved in two applications. Broadcast COLOR HARDENER at the rate of 40 pounds per 100 square feet in the first application distributing the material as evenly as possible onto the surface.

When the first shake of COLOR HARDENER has been wet out by absorption of water from the concrete or overlay, wood float the surface. Do not hard trowel. A wood floated surface is better to receive the second application. Broadcast COLOR HARDENER at the rate of 20 pounds per 100 square feet during the second application being careful to completely cover any voids or thin areas. Finishing may be accomplished with magnesium or fiberglass floats after all bleed water has dissipated. Do not add water to the surface for finishing. Water for wetting out and finishing the COLOR HARDENER will be wicked from the concrete or overlay. Finishing techniques should be consistent from start to finish. Avoid over-troweling to provide the most color consistent finish without burn marks. Lighter colors may require up to 60 pounds per 80 square feet to achieve the desired color of the finished surface. Contraction joints (saw cuts) should be accomplished as soon as it is possible to make the cut without crumbling the joint edge.

Coverage

Average will be approximately 100 square feet per 60 pound bag.

Curing

Do not cure with plastic sheeting or membrane paper. Condensation under the sheeting or paper will drip on specific areas and cause discoloration. Do not use sodium-silicate based sealers or hardeners for curing. A minimum cure is obtained in 24 hours, depending on ambient temperature. As with concrete, the strength increases significantly with age during the first 28 days.

Cleaning

Water is all that is needed to remove uncured hardener.

Storage Life

One year if kept dry in sealed container and bag.

SAFETY - 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. Recommend use of a NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into the 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.

KEEP OUT OF REACH OF CHILDREN

Important Notice: These products are sold subject only to the expressed warranties contained herein. Additional warranties, expressed or implied, and any warranty of merchantability is hereby excluded. Buyer agrees that seller assumes no liability for consequential damages of any kind, which result from the use or misuse of the merchandise sold hereunder. In the event that the buyer proves that any goods received do not conform to the specifications agreed to between parties, or if the buyer proves that such goods were defectively manufactured, the buyer remedies shall be limited to either the return of the goods and repayment of the purchase price or the replacement of the nonconforming goods at the option of the seller. Such remedy being exclusive of all others and the sole remedy available to the buyer, hereby expressly waives any claim to additional damages. Nothing in this bulletin should be interpreted as a recommendation for a use, which violates any patent rights.

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Net Contents: 60 Pounds

Color