

# STAMPCRETE COLOR HARDENER

## Color Hardener

## TECHNICAL DATA

### DESCRIPTION

COLOR HARDENER is a dry shake material that contains carefully balanced pigments that produce a colored concrete surface. This surface can be patterned with concrete stamping tools simulating brick, block, slate, tile or other textures.

COLOR HARDENER increases the density and durability of concrete floor surfaces. This improves wear resistance, reduces dusting and minimizes concrete maintenance and repair, all while enhancing appearance.

There are 24 COLOR HARDENER choices, including:

Antique Red	Granite
Brick Red	Buff
Dark Gray	Tile Red
Silver Gray	Slate
Mauve	Coral
Taupe	Beige
Russet	Sand
Plum	Desert Tan
Green	Penn Blue
White	Brown
Cordovan	Terra Cotta
Charcoal	Chocolate

**BASIC USE:** COLOR HARDENER should be used with concrete stamping tools for an exceptional concrete appearance and is recommended for:

1. Entrance / lobby floors
2. Sidewalk / courtyard areas
3. Commercial / shopping floors
4. Pool / sun decks

### COMPOSITION and MATERIAL:

COLOR HARDENER is a specially blended mixture of cement, natural silica aggregate, inorganic pigments and proprietary admixtures.

**SIZES:** COLOR HARDENER is available in 60lb pails. The label includes complete application Instructions.

### APPLICABLE STANDARDS:

COLOR HARDENER has been tested according to the ASTM-C-

4060 Tabor Abrasion Test specification:

55% humidity 73 deg F  
Coverage .75lbs per sq ft  
1.8 gs loss .4% weight loss  
Condition – Excellent

COLOR HARDENER has USDA approval when used without sealers.

**LIMITATIONS:** COLOR HARDENER is not recommended for extremely heavy traffic or steel wheel traffic.

Concrete mix design should not exceed 4" slump and contain no more than 3% air entertainment. Do not use COLOR HARDENER with concrete containing calcium chloride or chloride based admixtures.

COLOR HARDENER is not designed for use in areas subject to deicing slats or chemical attack.

### TECHNICAL DATA

Coverage rates will vary depending on the color and application:

Dark colors: 60lb per 100 sq ft

Medium colors: 75lb per 100 sq. ft

Light colors: 100lb per 100 sq. ft

Applying more material will intensify the final color appearance. Contact a Stampcrete representative for additional technical information.

### APPLICATION

**MAINTENANCE:** Opened containers should be used immediately or discarded. Material should be stored in a cool, dry place when not in use. Shelf life of properly stored material is approximately one year.

### PREPARATORY WORK:

Calculate the correct amount of material required for the slabs to be finished that day and have it near the placement location. Check equipment to make sure it is in proper working order. Schedule sufficient manpower for

placing COLOR HARDENER and finishing.

Follow the recommendations of ACI 302-Concrete Floors for specific floor types.

**METHODS:** COLOR HARDENER should not be mixed with other chemicals or altered in any way. Basic application is as follows:

1. Estimated material and equipment needs before work begins.
2. After concrete has been placed and screened an straight edge, a non-metallic bullfloat should be used to "open" the concrete surface. A metal float may prematurely seal the concrete surface.
3. Allow initial "bleed" water time to surface and evaporate before applying the color hardener.
4. Float the concrete slab open, keeping float blades flat to prevent "blistering". Evenly distribute about 2/3 of the color hardener to the prescribed area.
5. Allow enough time for the hardener to absorb moisture from the concrete. Proper absorption will be evident by an evenly dark color.
6. Work the color hardener into the concrete slab surface in a consistent manner with a nonmetallic float. Do not add water to the concrete surface.
7. Evenly distribute the remaining 1/3 of the color hardener to the prescribed area. Allow enough time for the hardener to absorb moisture from the concrete.
8. Work the remaining hardener into the concrete slab surface with a non-metallic float. Do not add water to the concrete surface.
9. If not patten is required, begin finish troweling as soon as possible. The concrete should have no sheen and no water at the surface.

10. If a pattern is required, evenly distribute the color release agent to the prescribed area.
11. Opened pails should be used immediately and discarded. Clean tools immediately
12. Use the stamping tools in a consistent manner with even pressure to create the pattern in the concrete surface.
13. Allow the concrete surface to remain undisturbed for approximately 1 day before washing off residual release agent.
14. Allow the concrete surface to dry before sealing with a Stampcrete UV resistant, acrylic sealer.

Unusual applications or conditions may require the technical assistance of a Stampcrete representative.

**PRECAUTIONS:** It is mandatory that the users take the following precautionary actions to protect workers and the public.

1. KEEP OUT OF THE REACH OF CHILDREN.
2. Avoid inhalation of dust. Ensure adequate ventilation
3. Avoid contact with skin. Protective clothing is recommended. Contact areas should be thoroughly washed with soap and water
4. Avoid contact with eyes. Protective goggles are recommended in case of splashing. Flush eyes with water if contact occurs.
5. Avoid ingestion of material. If ingestion occurs, contact a poison center or physician.

Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

## **WARRANTY**

Stampcrete International, Ltd. warrants that this product will be free from defects and will perform as represented in writing provided application of product is in accordance with manufacturer's recommendations and application instruction. Stampcrete International, Ltd. will refund the purchase price of any product proven defective, but shall in no way be liable for indirect, consequential, special or resultant damages, whether due to breach of warranty or negligence. Stampcrete International, Ltd. makes no guarantee or warranty, express or implied, including, without limitation, warranties of fitness or merchantability, with respect to this product.

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