



# BRICKFORM® Color Hardener™

## Concrete Topping and Hardener

**BRICKFORM Color Hardener is an engineered blend, used to color the surface of new concrete. When applied, a dense layer is formed, making the concrete surface more abrasion and impact resistant. BRICKFORM Color Hardener is available in 40 standard colors and custom color matching is available.**

### FEATURES

- Non-Fading
- Denser, More Durable Surface
- Improved Abrasion Resistance
- Can Be Antiqued And Stained

**PRODUCT DESCRIPTION** • BRICKFORM Color Hardener is manufactured with the finest UV-resistant pigments and premium aggregates available. BRICKFORM Color Hardener is designed to work with imprinting tools to produce clear, sharp impressions that enhance the finished appearance of any new hardscape. When properly applied and troweled into newly placed, fresh concrete, it forms a colored concrete surface that is resistant to weathering, wear and normal abrasion.

**USES** • BRICKFORM Color Hardener is used in the construction of new concrete flatwork and floors. It can be troweled and broomed, or imprinted, using BRICKFORM Texture Mats™ and BRICKFORM Liquid Release™. Create the look of expensive materials such as handset tile, brick or quarried stone with by using a powdered release like BRICKFORM Antique Release™, in a contrasting color. The color-hardened surface can also be stained, after the concrete has been allowed to cure for approximately 28 days, with BRICKFORM Blush-Tone Acid Stain, E-Stain or Artesian water based stain. Please get a copy of the appropriate Technical Information Sheet and MSDS for each product before attempting to use.

**LIMITATIONS** • BRICKFORM Color Hardener is for use only with freshly poured, still-plastic, concrete surfaces.

**COLORS** • BRICKFORM Color Hardener is available in 40 standard colors. Custom colors and color matching are also available.

**PACKAGING** • BRICKFORM Color Hardener is packaged in convenient 60-pound, moisture-resistant pails. This type of packaging gives the material a shelf life of at least one-year, double the life of bagged color hardeners.

**COVERAGE** • For most applications of darker colors, BRICKFORM Color Hardener should be applied at the rate of 60 or more pounds (27 kg) per 100 square feet (9.29 m<sup>2</sup>). Light pastel colors generally require heavier applications of up to 60 pounds (27 kg) per 80 square feet (7.43 m<sup>2</sup>). When a lightly sandblasted surface for decorative purposes is required, a minimum of 90 pounds (40.5 kg) per 100 square feet (9.29 m<sup>2</sup>) should be applied.

**STORAGE** • Store in a safe place. Keep containers tightly sealed. Shelf life is approximately three years if package remains sealed in the original plastic bucket and is not opened, cracked, damaged or subjected to extreme conditions. **Note** – pigment colors may drift over a period of time, BRICKFORM recommends using same lot numbers OR mixing buckets of the same color from different lot numbers.

**CAUTION** • KEEP OUT OF REACH OF CHILDREN. Before using or handling, read the Material Safety Data Sheet and Warranty. DO NOT TAKE INTERNALLY. Avoid contact with eyes and skin. When working with or near this product, all personnel must wear MSHA-NIOSH approved respirators (refer to OSHA standards in 29 CFR 1910.134). Prolonged, unprotected exposure may result in non-reversible Silicosis or Lung Cancer. Avoid inhalation and use local exhaust to keep exposures below OSHA PEL's for silica and nuisance dusts. Avoid contact with skin and eyes. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Wash splatters from skin immediately. Use good hygiene when handling this product and wash and bathe after each use. Close containers after each use. Be sure to wash clothing after each use.

**PREPARATION OF SUB GRADE** • The subgrade must be uniformly graded, compacted and moistened, but free of standing water. Avoid

placing concrete over soft, frozen, or muddy spots. Follow professional standards and practices, including those published by the American Concrete Institute (ACI).

**PREPARATION OF CONCRETE** • BRICKFORM strongly recommends representative jobsite samples. Individuals who will be performing the work should use the specified materials, as well as the finishing and curing techniques that will be used on the project. The concrete should be designed to meet the strength and finishing requirements of the project with a minimum cement content of 5 1/2 sacks per cubic yard (.765 m<sup>3</sup>) and a maximum slump of 4 inches (10.10 cm). BRICKFORM Color Hardener is compatible with most water-reducing, set-retarding and air-entraining concrete admixtures. Avoid using admixtures containing calcium chloride, or the addition of calcium chloride in any form, to the concrete for acceleration during cold weather. All fine and coarse aggregates must be non-reactive and free of deleterious material.

**APPLICATION** • Protect surrounding areas where color is not desired. Using protective gloves, reach down into each bucket and remix the material that may have settled during transporting and storage. Multiple buckets should be intermixed. Apply BRICKFORM Color Hardener after the concrete has been placed, screeded, floated and excess bleed water has disappeared from the concrete surface. BRICKFORM Color Hardener should be applied, using the broadcast method, at the rate of at least 60 pounds (27 kg) per 100 square feet (9.29 m<sup>2</sup>) in two applications. Pastel shades or light colors may require up to 60 pounds (27 kg) per 80 square feet (7.43 m<sup>2</sup>). The first application requires at least 40 pounds (18 kg) per 100 square feet (9.29 m<sup>2</sup>). The second application should give complete and uniform coverage. Float the concrete surface after the first application, but do not trowel. After the second application of BRICKFORM Color Hardener, the concrete can be finished as specified. Maintain consistent finishing techniques and avoid hard-troweling for the most uniform color results. Over-troweling will discolor the concrete. Additional water should not be applied to the concrete surface during finishing. All water required will come from the concrete.

**CURING** • The use of BRICKFORM Cure and Seal Products is acceptable. See appropriate TIS for application instructions.. Do not cure with plastic sheeting, membrane paper or water misting. Avoid the use of sodium-silicone-type hardeners. Products not recommended could cause discoloration or mottling of the colored surface.

**SEALING** • After the concrete has been allowed to cure for 28 days, protect the surface with BRICKFORM Gem-Seal, Poly-Astic, Poly-Seal, Safety-Seal, or Satin-Seal. Please get a copy of the appropriate Technical Information and Material Safety Data Sheet before attempting to use these products. Once sealed, protect the surface from foot traffic for 24 hours and vehicular traffic for 5 days.

**MAINTENANCE** • The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer. Brickform recommends the application of Dura-Wax as a sacrificial coating on interior surfaces. Reapply as needed, according to the appropriate Technical Information Sheet. If traces of efflorescence are present, this should first be eliminated with a gentle cleaner such as BRICKFORM E-Etch, according to the BRICKFORM E-Etch Technical Information Sheet.

**WARRANTY** • This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

**PLAN SPECIFICATION**

**BRICKFORM® Color Hardener™** Suggested Short Form Specification: All concrete flatwork designated in the plans and specifications as having a colored & hardened surface shall be color hardened with BRICKFORM Color Hardener, manufactured by BRICKFORM, 800-483-9628, Rancho Cucamonga, CA 909-484-3399, in accordance with the **BRICKFORM Color Hardener Technical Information Sheet**, using \_\_\_\_\_ color and a minimum of \_\_\_\_\_ lbs. Per 100 square feet (\_\_\_\_\_ kg per 9.29 m<sup>2</sup>). After the concrete has been allowed to cure for 28 days, all surfaces shall be sealed with BRICKFORM Gem-Seal™, or Poly-Seal™, BRICKFORM Safety-Seal™, or BRICKFORM Satin-Seal™ in accordance with their corresponding Technical information Sheet. All products shall be manufactured by BRICKFORM, 800-483-9628, Rancho Cucamonga, CA 909-484-3399. BRICKFORM Color Hardener meets ASTM STDS – abrasion resistance and PSI.

**ORDER SPECIFICATIONS**

**Product**

Color Hardener

**Shipping Weight:**

65 lbs (29.25 kg)

**Item No. Color**

|        |                  |
|--------|------------------|
| CH-100 | Dark Gray        |
| CH-115 | Venetian Pink    |
| CH-200 | Medium Gray      |
| CH-250 | Oyster White     |
| CH-300 | Nutmeg           |
| CH-310 | Cream Beige      |
| CH-320 | Golden Sandstone |
| CH-325 | Sandstone        |
| CH-330 | Coconut          |
| CH-350 | Desert Tan       |
| CH-375 | Buff Tan         |
| CH-400 | Chestnut         |
| CH-425 | Autumn Brown     |
| CH-500 | Tile Red         |
| CH-515 | Sunbaked Clay    |
| CH-525 | Dusty Rose       |
| CH-550 | Brick Red        |
| CH-575 | Victorian Red    |
| CH-600 | Light Gray       |
| CH-615 | Stone Gray       |
| CH-625 | Dover Blue       |

**Container Size:**

5-Gallon Buckets (18.925 L)

**Item No. Color**

|         |                |
|---------|----------------|
| CH-650  | Smokey Blue    |
| CH-700  | Terra Cotta    |
| CH-735  | Cappuccino     |
| CH-810  | Walnut         |
| CH-815  | French Gray    |
| CH-825  | Slate Green    |
| CH-900  | Black          |
| CH-1000 | White          |
| CH-1010 | Smokey Beige   |
| CH-1015 | Blush Beige    |
| CH-1020 | Antique Rose   |
| CH-1030 | Ash White      |
| CH-1035 | Summer Beige   |
| CH-1040 | Weathered Sage |
| CH-1045 | Shadow Slate   |
| CH-1050 | Antique Cork   |
| CH-1055 | Pecos Sand     |
| CH-1065 | Quarry Red     |
| CH-1070 | Sandy Buff     |
| CH-1080 | Adobe Buff     |
| CH-1090 | Sun Buff       |