



# BRICKFORM® Color Hardener™ HD

## Heavy Duty Concrete Topping and Hardener

**BRICKFORM Color Hardener HD includes specially graded Emery (aluminum oxide) to increase wear resistance. It is normally recommended for installations that are expected to receive exceptionally heavy wear, including vehicular entrances, theme parks, plazas, crosswalks, street sections and high-traffic sidewalks. BRICKFORM Color Hardener HD 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 HD 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 HD is manufactured with the finest UV-resistant pigments and premium aggregates available. BRICKFORM Color Hardener HD 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 HD 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™. Please get a copy of the appropriate Technical Information Sheet and MSDS for each product before attempting to use.

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

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

**PACKAGING** • BRICKFORM Color Hardener HD 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 Hardener HDs.

**COVERAGE** • For most applications of darker colors, BRICKFORM Color Hardener HD 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 HD 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 course 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 HD after the concrete has been placed, screeded, floated and excess bleed water has disappeared from the concrete surface. BRICKFORM Color Hardener HD 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 HD, 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 a clear, non-staining acrylic or wax curing compound is recommended. 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** • 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 Antique Release/Efflorescence Remover™, according to the BRICKFORM Antique Efflorescence Remover 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 HD** 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 HD, manufactured by BRICKFORM, 800-483-9628, Rancho Cucamonga, CA 909-484-3399, in accordance with the *BRICKFORM Color Hardener HD 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 HD meets ASTM STDS – abrasion resistance and PSI.

#### ORDER SPECIFICATIONS

##### Product

Color Hardener HD

##### Shipping Weight:

65 lbs (29.25 kg)

##### Item No. Color

CH-100HD	Dark Gray
CH-115HD	Venetian Pink
CH-200HD	Medium Gray
CH-250HD	Oyster White
CH-300HD	Nutmeg
CH-310HD	Cream Beige
CH-320HD	Golden Sandstone
CH-325HD	Sandstone
CH-330HD	Coconut
CH-350HD	Desert Tan
CH-375HD	Buff Tan
CH-425HD	Autumn Brown
CH-500HD	Tile Red
CH-515HD	Sunbaked Clay
CH-525HD	Dusty Rose
CH-550HD	Brick Red
CH-575HD	Victorian Red
CH-600HD	Light Gray
CH-615HD	Stone Gray
CH-625HD	Dover Blue
CH-650HD	Smokey Blue

##### Container Size:

5-Gallon Buckets (18.925 L)

##### Item No. Color

CH-700HD	Terra Cotta
CH-735HD	Cappuccino
CH-810HD	Walnut
CH-820HD	Muted Green
CH-825HD	Slate Green
CH-900HD	Black
CH-1000HD	White
CH-1010HD	Smokey Beige
CH-1015HD	Blush Beige
CH-1020HD	Antique Rose
CH-1030HD	Ash White
CH-1035HD	Summer Beige
CH-1040HD	Weathered Sage
CH-1045HD	Shadow Slate
CH-1050HD	Antique Cork
CH-1055HD	Pecos Sand
CH-1065HD	Quarry Red
CH-1070HD	Sandy Buff
CH-1075HD	Rose Taupe
CH-1080HD	Adobe Buff
CH-1090HD	Sun Buff