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 pallets. 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 m²). Light pastel colors generally require heavier applications of up to 60 pounds (27 kg) per 80 square feet (7.43 m²). When a lightly sandblasted surface for decorative purposes is required, a minimum of 90 pounds (40.5 kg) per 100 square feet (9.29 m²) 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 INTO EATEN. 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 PELs 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 m³) 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 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 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 m²) in two applications. Pastel shades or light colors may require up to 60 pounds (27 kg) per 80 square feet (7.43 m²). The first application requires at least 40 pounds (18 kg) per 100 square feet (9.29 m²). 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 motting 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 RemoverTM, 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 m²). After the concrete has been allowed to cure for 28 days, all surfaces shall be sealed with BRICKFORM Gem-SealTM, or Poly-SealTM, BRICKFORM Safety-SealTM, or BRICKFORM Satin-SealTM, 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:
66 lbs (29.25 kg)

Item No. Color
CH-100HD Dark Gray
CH-105HD Terra Cotta
CH-110HD Venetian Pink
CH-115HD Cappuccino
CH-200HD Medium Gray
CH-205HD Walnut
CH-250HD Oyster White
CH-255HD Muted Green
CH-300HD Nutmeg
CH-305HD Slate Green
CH-310HD Cream Beige
CH-315HD Smoke Beige
CH-320HD Golden Sandstone
CH-325HD White
CH-329HD Sandstone
CH-330HD Coconut
CH-335HD Desert Tan
CH-340HD Black
CH-345HD Antique Rose
CH-350HD Buff Tan
CH-355HD Ash White
CH-375HD Autumn Brown
CH-379HD Summer Beige
CH-400HD Tile Red
CH-405HD Weathered Sage
CH-415HD Sunbaked Clay
CH-420HD Blush Beige
CH-425HD Desert Tan
CH-430HD Buff Tan
CH-435HD Ash White
CH-440HD Autumn Brown
CH-445HD Summer Beige
CH-500HD Tile Red
CH-505HD Weathered Sage
CH-510HD Sunbaked Clay
CH-515HD Blush Beige
CH-520HD Desert Tan
CH-525HD Buff Tan
CH-530HD Ash White
CH-535HD Autumn Brown
CH-600HD Tile Red
CH-605HD Weathered Sage
CH-610HD Sunbaked Clay
CH-615HD Blush Beige
CH-620HD Desert Tan
CH-625HD Buff Tan
CH-630HD Ash White
CH-635HD Autumn Brown
CH-700HD Terra Cotta
CH-705HD Blush Beige
CH-710HD Desert Tan
CH-715HD Buff Tan
CH-720HD Ash White
CH-725HD Autumn Brown
CH-730HD Terra Cotta
CH-735HD Blush Beige
CH-800HD Walnut
CH-805HD Muted Green
CH-810HD Slate Green
CH-815HD Smoke Beige
CH-820HD Black
CH-825HD Slate Green
CH-830HD Muted Green
CH-835HD Black
CH-840HD Walnut
CH-845HD Muted Brown
CH-850HD Slate Green
CH-855HD Muted Green
CH-860HD Black
CH-865HD Walnut
CH-870HD Smoke Beige
CH-875HD Slate Green
CH-880HD Black
CH-885HD Walnut
CH-890HD Smoke Beige
CH-895HD Slate Green
CH-900HD Black
CH-905HD Walnut
CH-910HD Smoke Beige
CH-915HD Slate Green
CH-920HD Black
CH-925HD Walnut
CH-930HD Smoke Beige
CH-935HD Slate Green
CH-940HD Black
CH-945HD Walnut
CH-950HD Smoke Beige
CH-955HD Slate Green
CH-960HD Black
CH-965HD Walnut
CH-970HD Smoke Beige
CH-975HD Slate Green
CH-980HD Black
CH-985HD Walnut
CH-990HD Smoke Beige
CH-995HD Slate Green

Container Size:
5-Gallon Buckets (18.925 L)

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