

# BRICKFORM® Powdered Color™

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## Dry Integral Concrete Color

**BRICKFORM Powdered Color, an iron oxide pigment, is pre-packaged in disposable bags that are added at the concrete batch plant. BRICKFORM Powdered Color disperses evenly throughout the concrete mix and complies with ASTM C979, Pigments for Integrally Colored Concrete.**

### FEATURES

- Dissolvable Interior Plastic Bag
- UV-Resistant Color
- Mixes Evenly
- Meets ASTM C979



**PRODUCT DESCRIPTION** • BRICKFORM Powdered Color is made from the finest UV-resistant pigments available. The package design reduces the need to stock multiple colors to achieve different intensities of the same color. BRICKFORM Powdered Color is produced to a one-percent tolerance to established plant standards. The product comes in a two-part package designed to reduce leaks and spills. The exterior plastic bag is removed prior to adding the inside bag to the truck. The interior, plastic bag and its contents dissolve and the color is dispersed throughout.

**USES** • BRICKFORM Powdered Color can be used for cast-in-place, precast, and tilt-up concrete, concrete block, pavers, and imprinted concrete. Designing with sawcuts on flatwork can add definition and sandblasting will expose the aggregates and create the appearance of different colors. Use BRICKFORM Texture Mats™ on flatwork to add depth and slip-resistance or combine with BRICKFORM Antique Release Agent™ in a contrasting color to achieve the look of other paving materials such as cobblestones slate or inset brick. After the concrete has been allowed to cure for 28 days, BRICKFORM Powdered Color can be stained, using BRICKFORM Blush-Tone Acid Stain™ or etched, using BRICKFORM Decorative Sandblast Stencils™. Please get a copy of the appropriate Technical Information Sheet and MSDS for each product before attempting to use.

**LIMITATIONS** • For uniform batch-to-batch color, the concrete mix design should be consistent. Some custom colors can only be produced with white or light cements. Timing and placement of the concrete, forming and finishing techniques, release agents, curing methods, color of cements and aggregates, and water content may contribute to slight variations in the finished color. BRICKFORM DOES NOT recommend using any color that will exceed the saturation point of 10% of the weight of total cementitious material used in the concrete mix. An excess of 10% can reduce the overall strength of the finished product. This Technical Information Sheet is not intended to establish compatibility of BRICKFORM Powdered Color with other concrete admixtures unless they are tested, in combination, in accordance with ACI Standards 3.7. BRICKFORM strongly recommends representative jobsite samples.

**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. Do not breathe powder. Wear rubber gloves and aprons to protect skin and wear safety eye goggles. Use good hygiene when handling this product and wash and bathe after each use. Be sure to wash clothing after each use.

**COLORS** • BRICKFORM Powdered Color is available in 19 standard colors. Custom colors and color matching are also available.

**PACKAGING** • BRICKFORM Powdered Color is pre-measured and packaged in 10-pound (4.5 kg) bags. Depending on the desired intensity, one or more bags can be used to achieve different colors, designed for a six-sack mix (please see the BRICKFORM Powdered Color Chart). Custom packaging is available for a nominal charge.

**STORAGE** • Store in a cool, dry place. Shelf life is approximately 12 months.

**PREPARATION OF SUB-GRADE** • The sub-grade 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 or test slabs. 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. Batch to batch uniformity must be maintained to produce consistent color. The concrete should be designed to meet the strength and finishing requirements of the project with a minimum cement content of 6 sacks per cubic yard and a maximum slump of 4 inches. Gray cements, white cements, water-cement ratio and variations in aggregates will produce different colors. Finished texture, timing of operations, curing or forming-methods, release agents, and surface treatments will each affect the finished color. Use clean aggregates with low soluble salt content. Weigh all aggregates and cement accurately for each batch. A minimum batch size of 1/3 of the mixer, but no more the recommended capacity is the guideline for efficient mixing. OVERLOADING is not recommended and will reduce mixing efficiency. Begin each truckload with a thoroughly cleaned mixer.

**IMPORTANT** • Remove the outside plastic bag and add the dissolvable plastic bag filled with BRICKFORM Powdered Color. This should be done prior to the pre-wet aggregates, cement and final water. Mix at a minimum of 10 minutes AT HIGH SPEED before pouring. Adding water to the concrete during a pour, to allow for the placement of concrete in stages, should be kept to a minimum. DO NOT USE CALCIUM CHLORIDE. Calcium Chloride may cause discoloration of the concrete. BRICKFORM Powdered Color is compatible with plasticizers and air-entraining products designed for colored concrete.

**CONCRETE PLACEMENT** • The slump must be consistent from load to load. Additional water to facilitate placement must be kept to a minimum. Do not add water after a portion of the concrete load has been discharged. Do not re-temper concrete that has started to set.

**FINISHING TECHNIQUES** • Initial floating should be discontinued as soon as the surface becomes wet. Floating may be resumed after the bleed water disappears. The final finish may be completed after floating. Final brooming or troweling should be done in the same direction. Maintain consistent finishing techniques. Avoid hard-troweling for the most uniform color. Over-troweling will discolor or burnish the concrete. Never apply additional to the concrete surface during finishing.

**CURING** • The use of a low-pressure (atmospheric) or high-pressure (autoclave) steam to accelerate the curing process, burlap, plastic sheeting, or water to cure the concrete is NOT recommended and may produce uneven color. A clear, non-yellowing, breathable UV-stable curing compound that complies with ASTM C 309 may be applied after 24 hours. A non-staining evaporation controller such as BRICKFORM Evaporation Retarder or sealer may need to be applied sooner in locations where high heat and low humidity are present.

**EFFLORESCENCE** • Efflorescence may appear on the concrete surface as a white powder. This is caused by water evaporation, which is more noticeable on colored concrete and can make it look faded. The residue must be removed as soon as it is practicable, but before it turns into

calcium carbonate, which is permanent. This can be removed with a gentle cleaner such as with BRICKFORM Efflorescence Remover™ and must be done prior to sealing the concrete surface. Be sure to test in a small area, according to the instructions in the *BRICKFORM Efflorescence Remover Technical Information Sheet*.

**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 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® Powdered Color™** Suggested Short Form Specification: All concrete designated as being integrally colored in the plans and specifications, shall be colored with \_\_\_\_\_ color. The concrete shall contain \_\_\_\_\_ sacks of cement per cubic yard. No calcium chloride shall be used. The slump shall not exceed 4 inches. The concrete shall never be covered with plastic sheeting. All mix design, batching, addition of the colorant, placing, finishing and curing shall be in accordance with the *BRICKFORM Powdered Color Technical Information Sheet*. After the concrete has been allowed to cure for 28 days, all surfaces shall be sealed with BRICKFORM Gem-Seal™ or Poly-Seal™-High-Gloss Sealer, BRICKFORM Safety-Seal™-Slip-Resistant Sealer, or BRICKFORM Satin-Seal™-Water-Based Semi-Gloss Sealer in accordance with their corresponding Technical information Sheet. All products shall be manufactured by BRICKFORM, 800-483-9628, Rancho Cucamonga, CA 909-484-3399.

**ORDER SPECIFICATIONS**

<b>Product BRICKFORM Powdered Color</b>		<b>Container Size</b>
<b>Shipping Weight*</b>		Plastic Bags
Each Bag Weighs 10 Lbs.		
<b>Item No.</b>		
PC-1001	Slate	1 Bag Colors 2 Cubic Yards
	Light Gray	1 Bag Slate = 1 Cubic Yard Light Gray
	Shale	2 Bags Slate = 1 Cubic Yard Shale
	Storm Gray	3 Bags Slate = 1 Cubic Yard Storm Gray
PC-2075	Mauve	1 Bag Colors 2 Cubic Yards
	Guava	1 Bag Mauve = 1 Cubic Yard Guava
	Claret	2 Bags Mauve = 1 Claret
	Cayenne	3 Bags Mauve = 1 Cubic Yard Cayenne
PC-3001	Buff	1 Bag Colors 2 Cubic Yards
	Chamois	1 Bag Buff = 1 Cubic Yard Chamois
	Harvest Gold	2 Bags Buff = 1 Cubic Yard Harvest Gold
	Goldenrod	3 Bags Buff = 1 Cubic Yard Goldenrod
PC-4005	Sand	1 Bag Colors 2 Cubic Yards
	Desert Sand	1 Bag Sand = 1 Cubic Yard Desert Sand
	Pine Cone	2 Bags Sand = 1 Cubic Yard Pine Cone
	Moroccan Tan	3 Bags Sand = 1 Cubic Yard Moroccan Tan
PC-5001	Tan	1 Bag Colors 1 Cubic Yard
	Sienna	2 Bags Tan = 1 Cubic Yard Sienna
	Salmon	3 Bags Tan = 1 Cubic Yard Salmon
PC-6001	Earthen	1 bag colors 2 cubic yards
	Rawhide	1 bag Earthen per cubic yard
	Bucksin	2 bags of Earthen per cubic yard
	Leather	3 bags of Earthen per cubic yard
PC-7001	Dill	1 bag colors 2 cubic yards
	Houseplant	= 2 bags of Dill per cubic yard

\* Larger bags are available up to 50 lbs. Disposable Paper Bags  
**Green and Blue, Please Call for Pricing**