



# POWDERED INTEGRAL COLOR

TO PLACE A CONCRETE ORDER, PLEASE CALL 715-835-2251

			
<b>EARTHEN</b>	<b>RAWHIDE</b>	<b>BUCKSKIN</b>	<b>LEATHER</b>
			
<b>SLATE</b>	<b>LIGHT GRAY</b>	<b>SHALE</b>	<b>STORM GRAY</b>
			
<b>MAUVE</b>	<b>GUAVA</b>	<b>CLARET</b>	<b>CAYENNE</b>
			
<b>BUFF</b>	<b>CHAMOIS</b>	<b>HARVEST GOLD</b>	<b>GOLDENROD</b>
			
<b>SAND</b>	<b>DESERT SAND</b>	<b>PINE CONE</b>	<b>MOROCCAN TAN</b>

There is a 2.0 cubic yard minimum purchase including balance loads. All orders are in 1.0 yard increments. The colors shown here represent unsealed, integrally colored concrete with a flat troweled finish.

The colors on this color chart are approximate, using laboratory samples of troweled concrete made from a 6-sack mix, using Type II Gray Portland Cement, Silica Sand, and water to achieve a 4 inch slump. Different colors in cement, as well as some sands and water content will result in different colors.

Different types of finishing techniques and curing methods will alter the finished appearance. A job-site sample or test slab should be done, using 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.



# Powdered Integral Color

FOR TECHNICAL ASSISTANCE PLEASE CALL 800-483-9628

**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 Integral 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 Integral Concrete Color can be used for cast-in-place broom finish, sweat finish, hand troweled and power troweled concrete, precast, tilt up, concrete block, pavers, and stamped concrete. BRICKFORM color can be used with BRICKFORM Liquid Release or BRICKFORM Antique Release to create beautiful stamped concrete. The use of BRICKFORM Powdered Integral Color with Solomon Colors Surface Deactivator will create exposed aggregate finishes with rich, permanent color. Once cured, the colored concrete can be highlighted with BRICKFORM products such as Blush Tone Acid Stain, ARTesian Water Based Stain, and Antique-It to produce one of a kind decorative concrete slabs.

**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 20 standard colors. Custom colors and matching services are available for a nominal charge.

**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 60 months if stored in cool, dry area.

**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** • AMERICAN MATERIALS strongly recommends representative job site 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 must 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 the concrete.

**FINISHING AIDS** • Use Lythic Day One to help with the finishing operations. Be sure to read the Technical Information Sheet for complete instructions on using this product.

## SURFACE EVAPORATION RETARDANT

BRICKFORM Surface Evaporation Retardant can be used to slow moisture loss in slabs on hot, sunny, windy days. Be sure to read the Technical Information Sheet on this product prior to use. Do not use this product as a finishing aid.

**CURING** • DO NOT fog or spray water on the surface during the initial curing period.

DO NOT cover the surface with plastic.

DO NOT cover the surface with wet burlap.

Wet curing integrally colored concrete will lead to serious discoloration of the surface.

AMERICAN MATERIALS Cure and Seal products meet or exceed ASTM Standards C309 and C1315 for curing most new colored architectural flatwork. Apply at a rate of 250-300 square feet/gallon once the slab is hard enough to walk on without marring the surface. Use caution when applying these products in high heat, direct sunlight, or windy conditions. Please reference the appropriate Technical Information Sheet for a full description of the product use. TIS are available at [www.AmericanMaterials.com](http://www.AmericanMaterials.com).

**EFFLORESCENCE** • Proper curing along with maintaining a low slump and protecting the surface against water penetration reduces the possibility of efflorescence forming. If efflorescence does form, remove using BRICKFORM E-Etch followed by a light scrubbing or with the use of a low r.p.m. rotary floor scrubbing machine.

**SEALING** • The slab can be sealed with AMERICAN MATERIALS UV-LV 2500, Super Luster Shield, or SB-12 sealers following proper curing and preparation. Please refer to the appropriate BRICKFORM TIS when using BRICKFORM sealers. Once sealed, protect the slab from foot traffic for 24 hours and vehicular traffic for a minimum of 3 days.

**MAINTENANCE** • The sealed surface should be inspected periodically for areas of thin or traffic worn sealer. If needed, the slab should be thoroughly cleaned and allowed to dry prior to additional applications of sealer. Be sure to review the TIS of the sealer to be used prior to applying any AMERICAN MATERIALS product.

Interior sealed surfaces can be maintained with the BRICKFORM Premium Acrylic Floor Finish.

**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.

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