

**BRICKFORM**

**Powdered Integral Color**

Different types of finishing techniques and curing methods will alter the finished appearance. A jobsite sample or test slab should be done using the specified materials and finishing and curing techniques that will be used on the project. Batch-to-batch uniformity must be maintained to produce consistent color.

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 of cement, some sands, and water content will result in different colors.

Caution: Carbon Black can negate the amount of entrained air in the concrete mix. Due to the particle size of Carbon, it has the tendency to dissipate out of concrete over time. Seal the concrete with a premium sealer to protect the surface color.

1 BAG PER 2 YARDS	1 BAG PER 1 YARD	2 BAGS PER 1 YARD	3 BAGS PER 1 YARD
			
(PC-6001) EARTHEN	RAWHIDE	BUCKSKIN	LEATHER
			
(PC-1001) SLATE	LIGHT GRAY	SHALE	STORM GRAY
			
(PC-2017) THISTLE	REDBUD	CURRANT	RUBY
			
(PC-3001) BUFF	CHAMOIS	HARVEST GOLD	GOLDENROD
			
(PC-4005) SAND	DESERT SAND	PINE CONE	MOROCCAN TAN
			
(PC-5001) CARAMEL	TAN	SIENNA	RUSTIC RED
			
(PC-8001) OATMEAL	OAK	HAZELNUT	CARIBOU
			
(PC-8051) BISCUIT	FAWN	YELLOWSTONE	BOURBON
			
(PC-9001) MUSHROOM	UTOPIA	SILT	MOCHA
			
(PC-9051) LLAMA	CROISSANT	DEER VALLEY	HONEYCOMB
1 BAG PER 2 YARDS	1 BAG PER 1 YARD	1 BAG PER 1 YARD	3 BAGS PER 1 YARD
			
(PC-0908) SHADOW*	RAVEN*	(PC-0600) FOG	ALABASTER

# BRICKFORM® Powdered Integral Color

Brickform Powdered Color is a uniform blend of pure iron oxide pigment packaged in pre-measured dissolving (re-pulpable) paper bags that are added at the ready-mix batch plant or at the jobsite. Brickform Powdered Color disperses evenly throughout the concrete mix and complies with ASTM C979 “Pigments for Integrally Colored Concrete”. The information below is just a brief guide on utilizing Brickform Powdered Color. For complete technical information please refer to [www.brickform.com](http://www.brickform.com).

Architectural documents for Brickform products including CSI MasterFormat™ Architectural Specifications, BIM files, and LEED documents can be obtained at [www.brickform.com](http://www.brickform.com) under “Architectural Resources”.

**Packaging:** 12 base colors deliver 44 separate (distinct) concrete color shades. As shown, each base color on the Brickform Color Card illustrates dosages including 1 bag per 2 yards; 1 bag per 1 yard; 2 bags per 1 yard; 3 bags per 1 yard of concrete.

**Color Selection:** The color card approximates non-sealed shades of Brickform integral colors based on medium tone gray Type 1-2 Portland cement with a 4” slump. The final color shade will be affected by local cement and aggregates, addition of admixtures, water to cement ratio, curing, sealing, finishing methods, and the slab surface texture. The final color of lower color loadings such as 1 bag per 2 yards are influenced to a greater degree from cement and aggregate shades utilized in the mix design. A jobsite sample or test slab should be done using the specified materials and finishing and curing techniques that will be used on the project.

**Mix Design:** The key to uniform concrete color is consistency throughout the job.

- The mixer drum should be clean with little or no build-up on fins.
- Mixer should be loaded to a minimum of 30% capacity to ensure good color dispersion.
- Consistent color can only be achieved by using the same mix design throughout the job (same sand, cement, admixtures, aggregates, and water to cement ratio).
- Consider adding UltraFiber 500 cellulose fiber reinforcement to your decorative project. UltraFiber 500 provides excellent secondary reinforcement, and is invisible in the concrete. UltraFiber 500 TIS is available at [www.brickform.com](http://www.brickform.com).
- Maintain a 4” (10cm) slump, (low water to cement ratio). Higher slumps (maintaining low water to cement ratio) may be obtained using water reducers. Note: Plasticizers, water reducers, and air entraining products designed for use with colored concrete are acceptable. However, Brickform strongly recommends using test

slabs to determine final color outcome.

- Caution: Use of calcium chloride can cause discoloration on the surface of the concrete and is not recommended for use with colored concrete. Non-chloride accelerators, including hot water, are acceptable substitutes.
- When using Brickform Powdered Color in repulpable bags, slit the bag along the top dotted line and completely remove and discard the top portion of the bag. Reverse the drum and slowly bring the concrete to the back of the drum near the chute. Add the bag(s) of color on the concrete mix and slowly draw them back into the mixer. Mix the repulpable bag(s) for a minimum of 10 minutes at medium mixing speed, ensuring that the bag is broken up and dissolves entirely.
- Do not add the repulpable bag to the mixer when using small ¼” (0.6cm) or smooth rounded aggregates, or sand-blasted or exposed aggregate finishes. Add only the color pigment by opening the bag and pouring all color into the mixer.

**Preparation of the Sub-Grade:** Preparing the subgrade with compacted aggregate, free of frost, with no standing water is essential. In hot conditions, dampen the subgrade before each pour to keep moisture in the concrete to allow better hydration. Keep the subgrade moisture consistent throughout the day without allowing the water to pool. Pouring concrete directly over plastic can lead to numerous problems including excessive bleed water, uneven drying time, shrinkage, cracking, and efflorescence. Consider adding 2” to 4” of sand between plastic and concrete. If pouring directly over plastic, mix design may need to be altered. Consult with your Ready-Mix Supplier.

**Placing and Finishing:** Place and finish concrete according to ACI standards. Water should not be applied to the concrete surface during finishing. We recommend using DAY1 Finishing Aid, a colloidal silica-based topical additive, as an alternative. See DAY1 TIS at [www.brickform.com](http://www.brickform.com). Do not use a wet broom on finished concrete.

**Curing:** Never use plastic sheeting or water curing techniques to cure colored concrete. Doing so will mottle and streak the surface of the concrete. Cure freshly placed concrete with a Brickform Cure & Seal product. Please reference the appropriate Brickform Cure & Seal TIS for full description of product use at [www.brickform.com](http://www.brickform.com).

**Sealing:** Protect the beauty of your decorative concrete project with Brickform’s designed solvent- or water-based sealers. Brickform’s premium sealers’ information is available at [www.brickform.com](http://www.brickform.com).

Follow professional standards and guidelines such as those from the American Concrete Institute (ACI) and the American Society of Concrete Contractors (ASCC) for concrete applications.

**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 company has no control over the use of this product, therefore; no warranty, expressed or implied, is or can be made either as to the affects or results of such use. The exclusive remedy of the user or buyer and the limit of the liability of this company shall be the purchase price paid by the user or buyer for the quantity of the Brickform products involved.

**BRICKFORM®**, A Division of Solomon Colors, Inc.  
4050 Color Plant Road, Springfield, IL 62702  
Corporate Office: 800-483-9628  
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