



COLOR HARDENER

TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Kingdom Products' Color Hardener is a premium grade custom blended formula designed for professional use for colorizing decorative concrete. It hardens and densifies, resulting in more durable and abrasion-resistant concrete surface. It is ideal for use with textured concrete, but is also excellent for standard troweled or broom-finished concrete, or for producing adjacent borders in contrasting colors. The pigments in Kingdom Products' Color Hardener are UV stable and will not fade or weather over time. It is available in 35 standard colors and custom colors can be matched to virtually any color. For stamped concrete, Kingdom Products' Antique Release Agent is recommended to produce a complementary antique highlight color.

APPROXIMATE COVERAGE RATES

Coverage may vary depending on color choice, job condition, application techniques and other condition. For most applications, the coverage will be approximately 100 square feet per 60 lbs pail for most colors, but the lighter shades may require 80 to 90 lbs per 100 square feet.

CONCRETE SPECIFICATION

Use a concrete mix design that meets the specifications of the job. DO NOT use any concrete chloride admixtures! All aggregates should be non-reactive and free of deleterious material. Recommended slump is 4 inches. Kingdom Products' Color Hardener may be used with the following admixtures with no adverse effect: delayed set/retarders, water-reducers, air entrainment, integral iron oxide pigment Non-Chloride Accelerator.

SURFACE PREPARATION

Subgrade - Must be uniformly graded, compacted and moistened, but should not have standing water. Concrete should not be placed over soft, frozen or muddy ground. Professional standards and practices should be followed such as the applications specified by the American Concrete Institute (ACI). Kingdom Products recommends that a representative sample be done and approved prior to all projects. Before applying Kingdom Products Color Hardener, protect the surrounding area to ensure color does not affect areas not meant to receive color.

AVAILABLE COLORS:

Item No: Color	Item No: Color:	Item No: Color:	Item No: Color:
CH-100 Coal	CH-500 Cayenne	CH-810 Espresso	CH-1075 Thistle
CH-200 Granite	CH-515 Spice	CH-825 Cypress	CH-1080 Wheat
CH-250 Seashell	CH-525 Rosewood	CH-1010 Taupe	CH-1090 Khaki
CH-300 Chocolate	CH-550 Firebrick	CH-1015 Fawn	CH-1820 Sage
CH-310 Hazelnut	CH-600 Battleship	CH-1030 Vanilla	
CH-320 Saffron	CH-615 Aluminum	CH-1040 Tumbleweed	
CH-325 Fennel	CH-625 Alabaster	CH-1045 Olive	
CH-350 Pecan	CH-650 Prussian Blue	CH-1050 Mushroom	
CH-375 Maple	CH-700 Spanish Tile	CH-1055 Copper	
CH-400 Cocoa Bean	CH-735 Golden Honey	CH-1070 Toffee	

APPLICATION

COLOR HARDENER

Material settles during transport, so before using, fluff material with a gloved hand. When using more than one pail, material should be mixed together especially if it is from different lot or batch numbers. You should be using a 4"-4.5" slump mix. Place, screed, float, and edge the concrete. Wait until excess bleed water has dissipated from surface. Then, broadcast your first application of **Kingdom Products Color Hardener** across the surface, using 80-85% of allotted material. Within a few minutes, the moisture from the concrete should turn the dry powder into a moist powder. DO NOT add any additional water to the concrete, float the hardener into the surface. Do not use a trowel at this point. Broadcast a second application of hardener across surface, using remainder of allotted material, to ensure all lighter or inconsistent areas are completely covered. Float into concrete as before, then apply **Kingdom Products Antique Release Agent** if stamping. Otherwise, proceed with standard finishing of concrete, but do not hard-trowel or over-trowel as this will result in discoloration. DO NOT cover concrete, as it will also cause discoloration.

SEALING

Sealing is highly recommended for all decorative concrete. A clear curing and sealing compound such as Kingdom Products KD-100 or Kingdom Cure should be applied for curing purposes. If using in conjunction with **Kingdom Products Antique Release Agent** or Acid Stain, sealing procedures are different; please refer to the technical data sheet for the appropriate product.

PRECAUTIONS & LIMITATIONS

- KEEP OUT OF REACH OF CHILDREN.
- Product contains Portland cement.
- Avoid contact with skin and eyes.
- Avoid breathing dust by wearing a respirator.
- Wear gloves and safety eyewear.
- Be sure to wash skin and clothes as soon as possible after use.
- Kingdom Products' Color Hardener is for use only with freshly poured concrete surface

STORAGE & HANDLING

Keep in cool, dry location in a tightly sealed container. Shelf life is approximately 12 - 36 months

WARRANTY

WARRANTY: Kingdom Products Antique Release Agent is warranted to be of uniform quality within manufacturing tolerances. The manufacturer has no control over the application or use of the product, therefore, makes no warranty, express or implied, as to the effects or results of such use. The manufacturer's obligations are limited to a refund of the purchase price or replacement of material proven to be defective. The end user takes sole responsibility for determining appropriate use of the product and assumes all risks and liability.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use.



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