

# Color Juice™

## Concrete Silicate Colorant



### PRODUCT FEATURES

#### ◆ DESCRIPTION

Colorant for exterior and interior cured concrete.

#### ◆ USES

Color Juice™ Concrete Silicate Colorant is a fast, easy way to apply color to many type of interior and exterior concrete. It provides durable color by bonding proven color pigments to the concrete with integral silicate hardener, eliminating the hazards and long wait times of acid stains. It is ideal for porous concrete finishes such as broom-finished or stamped concrete, including pavements, porches, patios, driveways, sidewalks and pool decks. Color Juice Colorant can also be used for interior concrete such as garage floors, and can be applied to other cementitious surfaces.

#### ◆ SELECTION CRITERIA

- Can be applied to exterior and interior concrete
- UV stable pigments
- Contains concrete silicate hardener
- Fast application, no 3-hour dwell time
- Penetrating and durable
- Water-based
- Easy to apply
- Can be applied to most cementitious surfaces
- Concentrated for easy shipping and storage
- Easy to clean and maintain
- Low VOC (< 40g/l)

#### ◆ SUSTAINABILITY CRITERIA

Color Juice Colorant is water-based, does not

release harsh solvents into environment, and is low VOC (< 40g/l).

Exposed concrete floors eliminate extra material- and energy-consumption for applied floor coverings. Exposed concrete floors are very durable, eliminating periodic replacement of applied floor coverings.

It provides an easily-cleanable surface with low-impact maintenance requirements (dry mop, wash with water or mild cleanser).

It is shipped in highly concentrated form to reduce transportation-related impacts, packaging, and storage.

#### ◆ AVAILABILITY

Global.

#### ◆ COST

Cost is comparable with water-based stains.

#### ◆ LIMITATIONS

For exterior applications, Color Juice Colorant is designed to be used in conjunction with Color Juice Exterior Sealer™. For interior applications, use it with Color Juice Interior Sealer. Without application and maintenance of such additional treatment, the surface will exhibit optimum water, oil or chemical resistance.

Due to variables in application, maintenance, and the concrete itself, appearance may change over time.

#### ◆ WARRANTY

This product is for use by licensed contractors. Since manufacturer does not exercise control of product's use or project conditions, AmeriPolish, Inc. represents and warrants only that this product is of consistent quality within manufacturing tolerances. NO OTHER ORAL OR WRITTEN REPRESENTATION OR STATEMENT OF ANY KIND, EXPRESS OR IMPLIED, IS AUTHORIZED OR WARRANTED BY AMERIPOLISH, INC., INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THE EFFECTS OR RESULTS OF SUCH USE.



AMERIPOLISH, INC. WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING DAMAGES FOR DELAYS OR LOST PROFITS. Claims must be made in writing and received within one year from date of product sale to original buyer. Sole remedy shall be replacement of product proven defective.

#### ◆ SHIPPING AND HANDLING

Protect product from freezing.

### PRODUCT PROPERTIES

#### ◆ COMPOSITION

Color Juice Colorant is a liquid suspension of a proprietary pigment, polymer, and polysilicate lithium salt. It is an, odorless liquid concentrate. Appearance varies with different available colors.

#### ◆ PROPERTIES

Color Juice Colorant penetrates concrete surfaces and reacts with lime (calcium hydroxide) in the concrete to form insoluble calcium-silicate-hydrates (CSH) crystals that bond colorant to concrete. By consuming lime, it also reduces or eliminates efflorescence that can disfigure concrete surfaces. The colorant introduces color into the concrete surface, and can be applied multiple times to build up color.

## Color Juice™ Concrete Silicate Colorant

## ◆ SAFETY PRECAUTIONS

**WARNING:** BEFORE USING PRODUCT, READ MATERIAL SAFETY DATA SHEET AND INSTRUCTIONS ON PACKAGING. ALKALINE CONCENTRATE: CONTACT CAN QUICKLY DAMAGE EYES, SKIN AND OTHER BODY TISSUES. HANDLE WITH CARE. EYE, SKIN, RESPIRATORY TRACT, AND DIGESTIVE TRACT IRRITANT. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. SPRAY MIST IS RESPIRATORY TRACT IRRITANT. Use only with adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with eyes, skin, clothing. Products are not flammable, but if involved in a fire, may produce irritating vapors and toxic gases (e.g., carbon oxides and copper and iron oxides). Possible developmental hazard: contains lithium, may adversely affect developing fetus. Observe appropriate safety and jobsite controls. Wear appropriate protection including eye protection and chemical-resistant gloves. Ensure fresh air flow during application and until dry. If you experience headaches, dizziness, eye watering, or if air monitoring shows vapor/mist levels above applicable limits, wear a properly fitted P100/organic vapor respirator (NIOSH TC-84A approved), used according to manufacturer's directions, during application and drying.

## ◆ PRODUCT PLACEMENT

## ◆ PREPARATION

**WARNING:** People, property, vehicles, animals, plants, and all surfaces not intended to be colored should be protected from the product, splash, overspray, and wind drift, using polyethylene sheeting or other proven protective material. If design requires discreet areas of color, mask adjoining areas, lining color edges with blue painter's tape or similar adhesive masking material. **Surfaces, animals, or clothing contacted by colorant may be permanently colored. NEW CONCRETE MUST HAVE CURED FOR AT LEAST 28 DAYS BEFORE APPLICATION.** For best results, perform a moisture content test on both newly-poured and existing slabs. **Slabs with a moisture content 5 lbs per 1000 sf or less**

show best performance (ASTM F1869 calcium chloride test). **High moisture levels may affect performance of color.** Do not apply if concrete is frozen, dirty or has standing water.

## ◆ DILUTION AND COVERAGE

Color Juice Colorant is shipped as a concentrate. Dilute with water in 4:1 ratio.

**1 Gallon:** Pour contents of Color Juice concentrate container (.2 gal (.75 L) into 1.5 gal (5 L) plastic bucket. Add four containers clean potable water - .8 gal (3 L) - to make 1 gallon (3.8 L) working solution.

**5 Gallon:** Pour contents of Color Juice concentrate container (1 gal (.3.8 L) into 1.5 gal (5 L) plastic bucket. Add four containers clean potable water - 4 gal (15.1 L) - to make 5 gallons (18.9 L) working solution.

On troweled concrete, product will cover approximately 600-800 sf/gallon (15-20 m<sup>2</sup>/L) and 300-400 sf/gallon ( 7-10 m<sup>2</sup>/L) on porous concrete. Highly absorbent concrete, such as exterior broom finished concrete, may lower the coverage rate.

## ◆ APPLICATION

## Testing:

Prior to starting project, apply Color Juice Colorant to sample area of each type of concrete to be treated, using applications procedures proposed for project. Confirm that concrete is receptive to colorant.

**Project Conditions:** Ambient temperature during application should be 40-90°F (4-32°C).

## ◆ POROUS CONCRETE (broom finished, stamped, etc)

Surface preparation: Concrete must be cleaned with power washer or other method. Remove all debris, stains, sealers and coatings. Concrete must be thoroughly dry before Color Juice application.

**Equipment:** Apply Color Juice Colorant using Patriot™ 500 or Patriot 350 or similar low pressure sprayer with Patriot Gray #8 or similar conical mist tip with 8.4 gal/hr flow at 40 psi (31.8 L /hr at 275.8 kPa).

**Application:** Spray a light first application of product. After one hour, or when dry, spray a second application, if needed. Move sprayer in direction at 90 degrees from first application. If a darker color is desired, wait another hour before spraying third application. Do not broom Color Juice Colorant.



This two-color application of Color Juice Colorant and Color Juice Sealer turns an un-sightly slab into an attractive patio.

## Color Juice™ Concrete Silicate Colorant

Clean up tools and overspray with water before product dries.

Allow product to dry.

**NON-POROUS CONCRETE (troweled finish)**

**Surface Preparation:** Prior to application of Color Juice Colorant, slab must be diamond ground with progressively finer abrasives up to a 150-grit metal bond profile, or equivalent.

**Equipment:** Apply Color Juice Silicate Colorant using a Patriot™ 500 or Patriot 350 or similar low pressure sprayer fitted with Patriot Green #4 or similar conical mist tip with 4.2 gal/hr flow at 40 psi, (15.9 L/hr at 275.8 kPa).

**Application:** Spray a light first application of product. After one hour, or when dry, spray a second application, if needed. Move sprayer in direction at 90 degrees from first application. If a darker color is desired, wait another hour before spraying third application. **Do not broom Color Juice.**

Clean up tools or any overspray with water before product dries.

Allow product to dry.

**ABBREVIATED POLISH FINISH**

Pigment-based Color Juice Silicate Colorant can achieve better hiding of concrete's natural color than transparent dyes, and can be used to achieve a colored floor with an appearance similar to a full diamond polish.

**Surface Preparation:** Prior to application of of Color Juice Colorant, slab must be diamond ground with progressively finer abrasives up to a 150-grit metal bond profile or equivalent.

**Sprayer:** Low pressure sprayer fitted with green #4 or similar conical mist tip with 4.2 gal/hr flow at 40 psi, (15.9 L/hr at 275.8 kPa).

**Application:** Spray a light first application of product.

After one hour, or when dry, polish with 1500-grit or higher diamond-impregnated pad under a high speed burnisher or grinder/polishing machine.

**Spray a second application of Color Juice Colorant.** Move sprayer in direction at 90 degrees from first application. Follow with polishing with a 1500 grit or higher diamond pad just as after the first application. If a darker color is desired, wait another hour before spraying third application. and repeat polishing step as before. Do not broom Color Juice.

Clean up tools or any overspray with water before product dries.

**◆ NEXT STEPS**

Color Juice Colorant application must be protected with an appropriate sealer or stain protector. For exterior concrete, apply Color Seal Concrete Sealer™. For interior concrete, apply Ameripolish SureLock Stain Protector. Use according to manufacturer's directions.

**◆ MAINTENANCE**

Remove dust and debris with broom, vacuum, water hose, mop or autotscrubber. Renew sealer or stain protector every two years, or more frequently if needed.

**◆ First Aid**

For emergency information, call: 1-800-255-3924 (CHEM-TEL) in U.S., Canada, Puerto Rico, U.S. Virgin Islands. In other areas, call collect: +1-813-248-0585

If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Take a copy of label and MSDS to physician or health professional with the contaminated individual.

**SKIN EXPOSURE:** If adverse skin effects occur, discontinue use and flush contaminated area. Seek medical attention if adverse effect occurs after flushing.

**EYE EXPOSURE:** If these products contaminate the eyes, rinse eyes under gently running water. Use sufficient force to open eyelids and then "roll" eyes while flushing. Minimum flushing is for 20 minutes. Seek medical attention if any adverse effect continues after rinsing.

**INHALATION:** If vapors of these products are inhaled, causing irritation, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if adverse effect continues after removal to fresh air.

**INGESTION:** If these products are swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, DO NOT INDUCE VOMITING. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. If victim is convulsing, maintain an open airway and obtain immediate medical attention.



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