



# CONCRETE KOLOUR DYE™

interior/exterior, UV stable, concrete acetone dye

[www.SouthernStainAndSeal.com/Concrete-Acetone-Dye](http://www.SouthernStainAndSeal.com/Concrete-Acetone-Dye)



Beautifully and easily color concrete in 28 awesome colors. Exterior Kolour Dye™ is a deep penetrating, translucent, UV stable color dye for staining both interior and exterior concrete. These dyes come in a highly concentrated form that you dilute with acetone to create a ready to use product in the intensity of your choice.

Dyes create consistent predictable colors every time, without the mess and labor associated with acid staining. With acetone dyes, floors can now be prepped, stained and sealed in a single day. Pick the perfect color, or mix and match to create the exact look, color and contrast you desire.

Because of their UV stability, Exterior Kolour Dyes can be used for all types of indoor and outdoor projects such as; interior floors, driveways, sidewalks, pool decks and patios. Exterior Kolour Dye must always be sealed after application to protect the colored surface.

## Specifications / Compliances

- Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.

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## Key Features & Typical Benefits

- 28 great standard colors give a wide variety to choose from.
- Very economical way to finish and beautify most types of exterior or interior concrete.
- Exterior Kolour Dyed floors can be top coated with a variety of different coatings depending upon application needs.
- Provides a beautiful mottled effect similar to the likes of acid stains and will not fade under UV rays.
- Mixes with acetone to dramatically cut time and costs on the job.

## Recommended Applications

Effective on applications such as...

- Patios
- Pool Decks
- Garages
- Restaurants
- Showrooms
- Many other outdoor and indoor concrete surfaces where a decorative colored concrete is desired.

For polishing applications, use our Interior Kolour Dye Polishing Dyes.

## Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	Concentrated
Dry Time - Tack Free	5 - 15 minutes
Dry Time - Foot Traffic	Refer to instructions
Dry Time - Heavy Traffic	Refer to instructions
Re-Coat Time Window	Refer to instructions
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	less than 50 grams/Liter
Appearance - Wet	Depends on color chosen
Appearance - Dry	Light, Chalky color until sealed

Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

Kolour Dye™ is a trademark of Surface Coatings, Inc. • Refer to SDS prior to use.

# Concrete Colour Dye

## Application Instructions

**SURFACE PREP:** Test areas are strongly recommended on the actual surface of the proposed application. Testing in several areas of the concrete will better determine suitability, coverage, adhesion and approximate final results. The application area should be clean and free from all forms of dirt, oil, alkali, paint, cure & seals, and any other form of contaminant. The concrete surface must be prepped within the proper ASTM guidelines for the specific type of protective coating to be used. Failure to open the pores of the surface adequately may result in delamination. Diamond grinding is the preferred method for most applications, however, a thorough acid etch may be sufficient if done properly. Apply a test spot to check for sufficient adhesion to the substrate prior to doing the entire job. Protect all areas not to be dyed accordingly. Apply Exterior Colour Dye™ only to dry, fully cured, neutral concrete surfaces.

**MIXING:** Exterior Colour Dye is packaged in a liquid concentrate form which needs to be mixed with acetone. Mix each container of Exterior Colour Dye into appropriate amount of acetone to create the concentration and intensity desired. Each container of concentrate should be mixed with a MINIMUM of 1 gallon of acetone, but most contractors prefer further dilution to make a less concentrated dye. This will make the dye much easier to apply. We recommend a typical dilution of 1 container of concentrate : 2 gallons of acetone. Using the re-closable acetone container is recommended for mixing. Blend the mixture by stirring the open container, or by shaking the closed container for 30 seconds. Do not use any form of electrical equipment to mix the dye with the acetone!

**WARNING:** Follow the manufacturer of the acetone's instructions and the safety data sheet (SDS) for exposure limitations and safe handling practices. Acetone is highly flammable! Do not smoke! Turn off all portable heaters and gas pilot lights. Extinguish all open flames prior to use! Avoid sparks!

### **COVERAGE RATES ARE APPROXIMATE AND WILL VARY DEPENDING ON DILUTION, SUBSTRATE DENSITY, POROSITY AND APPLICATION!**

As already mentioned above, we recommend a typical dilution of 1 container of concentrate : 2 gallons of acetone. This will make the dye much easier to apply and greatly reduce the risk of over-application. If you choose to dilute with only 1 gallon of acetone as the container recommends, extreme care should be taken to avoid over application. **DO NOT OVER APPLY!** Over applying may result in delamination.

**BROOM SWEEPED CONCRETE:** One container of Colour Dye concentrate is typically enough to color 400 - 500 sq. ft. of broom swept concrete.

**TROWELED CONCRETE:** One container of Colour Dye concentrate is typically enough to color 500 - 600 sq. ft. of troweled concrete.

**APPLICATION:** Protect all areas not to be stained. Mask off all adjacent surfaces. Use coated cardboard as a spray shield. Use only acetone resistant sprayers. Before opening or handling acetone and Colour Dye, first put on proper protective equipment including eye protection, rubber gloves and respirator rated for use with acetone.

Surfcoat Colour Dye may be diluted with additional acetone to create lighter colors if desired. If a slower drying solution that will create a better mottled effect is desired, add the recommended amount of Colour Dye Penetration and Mottling Agent at any time prior to application. Multiple colors of Colour Dye may be used to create any desired combination of colors, highlights and contrast. If using multiple colors, always start with the lightest color first as a base coat.

Apply acetone dye with our Swissmex Acetone Sprayer or other acetone resistant sprayer and #6 or #8 ConeJet tip. Before beginning application, pump up sprayer and spray enough dye through the wand and tip to completely purge all air from the system. Discharged dye can then be poured back into sprayer before beginning application. Never let your sprayer volume drop below 1 quart, or air bubbles may get into the wand causing the tip to drip. Keep sprayer fully pumped during application for best results. Hold tip 18-24 inches from the surface. Apply in a uniform circular motion, not allowing the dye to puddle. The concrete surface should appear wet for just a few moments when applied properly. **DO NOT OVER APPLY!** Over applying may result in delamination. Allow Exterior Colour Dye™ to dry for approximately 30 minutes prior to applying sealer or protective coating. For polishing applications use our powdered interior Colour Dye™. In high heat conditions, add up to 4 oz. of Colour Dye Penetration and Mottling Agent to retard dry time.

**SEALING:** Allow Colour Dye to dry for approximately 30 minutes prior to applying sealer or protective coating. Between dye and sealer application, no cleaning or buffing is required. First coat of sealer or "primer" should be sprayed over the dyed surface, not rolled. Rolling may reactivate the dye and cause it to lift onto the roller. You have many choices when it comes to choosing a sealer. Several factors including budget, durability and desired appearance will influence this decision. See [www.southernstainandseal.com/concrete-acetone-dye](http://www.southernstainandseal.com/concrete-acetone-dye) for recommended sealer suggestions.

**WAXING:** When using a floor wax, allow sealer to dry and completely cure for a minimum of 7 days. Apply wax per manufacturer's specifications. Cherry Surf-Wax Gloss or Matte are our recommended floor waxes.

**PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on dilution, porosity, density, texture etc.

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## Precautions and Limitations

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This product performs best when applied as one or two medium-light coats, not one heavy coat.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- This product is not resistant to brake fluid, gasoline, and many similar products.
- Thin only as instructed. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Follow the instructions for the chosen top coat for surface prep and application instructions.
- **SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.**

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**CLEAN-UP:** Use xylene. Dispose of containers in accordance with local, state and federal regulations.

**PRODUCT REMOVAL:** Material is a concrete dye and can not be chemically stripped. A commercial sand blaster, floor sander, diamond grinder, or another similar mechanical machine is necessary.

**SHELF LIFE:** Up to one year from manufacture date in its original, unopened container stored at room temperature.

**PACKAGING:** Amount of concentrate will vary depending on color. Each container is precisely dispersed to provide consistent results with a minimum dilution of one gallon (128 oz) of acetone per container. Sample sizes should be diluted with a minimum of 4oz of acetone.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.