

TECHNICAL DATA SHEET

EXTERIOR KOLOUR DYE

CONCRETE ACID STAINS & DYES

- Exterior Kolour Dye™ is a UV-resistant, translucent dye formulated to penetrate cementitious surfaces both indoors and outdoors. Unlike paint, Kolour Dye™ does not crack, peel, or flake. Its advanced formula creates a unique multicolor translucent scheme, delivering a marble-like finish.
- Color Versatility:** Can be mixed to create an unlimited color palette, achieving stunning decorative effects.
- Fast Application:** Provides the look of a custom acid-stained floor in approximately 1/3 of the time of traditional application.
- When applied correctly, Exterior Kolour Dye™ ensures exceptional durability and beauty for any cementitious surface.

APPLICATIONS

- Patios:** Perfect for enhancing outdoor spaces.
- Garages:** Provides a durable and decorative finish.
- Restaurants:** Adds aesthetic appeal to commercial areas.
- Showrooms:** Improves the visual appearance of display areas.
- Versatility:** Can be used on many other interior and exterior concrete surfaces where a decorative color finish is desired.

PHYSICAL PROPERTIES

Solids/Active Content, Percentage by weight	25% +/-1%
Dry Time - Tack Free	1 - 2 hours
Dry Time- Foot Traffic	4 - 6 hours
Dry Time- Heavy Traffic	24 - 48 hours
Recoat Time Window	4 - 24 hours
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 100 grams/liter (A&B mixed)
Appearance - Wet	Clear
Appearance - Dry	Clear and medium gloss

ADVANTAGES

- Color Variety:** The 28 standard colors offer a wide range of choices to suit different styles.
- Cost-Effective:** An economical way to enhance and beautify most types of concrete surfaces, both indoors and outdoors.
- Coating Versatility:** Kolour Dyed floors can be sealed with a variety of coatings depending on application needs.
- UV Durability:** Provides a beautiful marbled effect similar to acid stains and does not fade under UV exposure.
- Time and Cost Savings:** Mixes with acetone to drastically reduce application time and costs.

Available in:

5 Gallons
1 Gallon

Shelf Life

1 year in original unopened container.

Storage

Conditions Store material between 50°F and 80°F.

Always refer to SDS & read full tech data sheet and warranty information prior to use



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Applications instructions

SURFACE PREPARATION

- Recommended Test Areas: It is highly recommended to perform tests in various areas of the concrete to assess suitability, coverage, adhesion, and approximate final results.
- Pre-Cleaning: The surface must be free of dirt, oil, alkalinity, paint, curing agents, sealers, and any other contaminants.
- Concrete Preparation: Follow ASTM guidelines appropriate for the specific type of protective coating to be used.
- ⚠ Risk of Peeling: Improperly opening surface pores may cause the coating to peel.
- Preferred Method: Diamond grinding is the preferred method for most applications, although acid etching may be sufficient if done correctly.
- 🧪 Pre-Application Test: Apply a test patch to verify adhesion to the substrate before proceeding with the entire application.
- Area Protection: Protect surrounding areas to avoid unintended staining.
- Application: Apply Exterior Kolour Dye™ only on dry, cured, and neutralized concrete surfaces.

Safety Precautions When Using Acetone

- Follow Instructions: Follow the acetone manufacturer's instructions and review the Safety Data Sheet (SDS) to understand exposure limitations and safe handling practices.
- 🔥 Highly Flammable: Acetone is highly flammable!
- 🚭 No Smoking: Do not smoke in areas where acetone is being used.
- 🔥 Turn Off Heat Sources: Turn off all portable heaters and gas pilot lights before use.
- ⚡ Avoid Sparks: Extinguish all flames and prevent sparks to avoid potential fire hazards.

APPLICATIONS INSTRUCTIONS

- Equipment: Use an acetone sprayer with a #6 or #8 cone tip, keeping the tip approximately 24 inches from the surface.
- Motion: Apply in a uniform circular motion, avoiding any buildup of the dye. The concrete surface should appear wet for a few moments when applied correctly.
- Coverage: Apply at a rate of 600 - 1,000 ft² per gallon.
- Excess Removal: Wipe any puddles or excess dye with a clean cloth to ensure uniform drying.
- Drying Time: Allow Exterior Kolour Dye™ to dry for approximately 30 minutes before applying a sealer or protective coating.
- ⚠ Note: For polishing applications, it is recommended to use Kolour Dye™ for interior applications. Avoid excessive application to prevent delamination.
- 🔥 High Heat Conditions:
 - In high heat conditions, add up to 4 oz. of Kolour Dye™ Penetration and Mottling Agent to slow the drying time.
- 🧢 Personal Protection:
 - WEAR GLOVES, GOGGLES, AND RESPIRATORS.
 - No cleaning or polishing is required between the dye application and the sealer.

MIXING

- Packaging: Exterior Kolour Dye™ is packaged in liquid form and must be mixed with acetone in increments of 1 quart, 1 gallon, or 5 gallons, depending on the bottle size purchased.
- Proper Mixing: Mix the appropriate amount of Exterior Kolour Dye™ with acetone according to the instructions provided.
- ⚠ Recommendation: Use a resealable acetone container for mixing.
- Shaking Instructions: Mix by stirring the open container or shaking the sealed container for 30 seconds.
- 🎨 Optional Mottling Effect: If a slower drying solution is desired for a better mottling effect, add the recommended amount of Kolour Dye™ Penetration and Mottling Agent at any time before application, following the instructions.
- ⚡ Caution: Do not use any type of electrical equipment to mix the dye with acetone.

COVERAGE RATE

- First Coat: 600 - 1000 ft² per gallon.
- Optional Second Coat: 600 - 1000 ft² per gallon.

Important Note: The above coverage rates reflect approximate coverage of the finished product (per gallon) when applied according to instructions. Actual coverage may vary significantly based on the porosity of the concrete surface and application method.



SEALER APPLICATION

- Seal Exterior Kolour Dye™ with a low-viscosity sprayable sealer.
- Use the appropriate sprayer and tip as instructed by the individual sealer's guidelines.
- Two coats are recommended for superior protection.
- ⚠ Do not roll the first coat of sealer over Exterior Kolour Dye™, as it may reactivate the dye.
- 2000 Supreme or Stamp Seal are the recommended sealers when using Exterior Kolour Dye™

WAXING

- When using a floor wax, allow the sealer to fully dry and cure for 3-4 days before application.
- Apply wax according to the manufacturer's specifications.
- Cherry Surf-Wax Gloss or Malle and Top Coat 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) to ensure the desired results before full application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture, etc.

Precautions and Limitations

- This product will not freeze during storage, but allow the temperature to rise to 50°F before application.
- Block all HVAC ventilation ducts before application to prevent the distribution of solvent fumes.
- If used indoors, ensure adequate ventilation during application and for several hours after application to remove fumes.
- Do not apply the product over carpet, tile, or other types of floor adhesives.
- This product performs best when applied as one or two medium coats, not one heavy coat.
- ⚠ This product may become slippery when wet once cured. Add an anti-slip additive, such as Surf-Grip, to reduce slip hazards.
- ⚠ This product is not resistant to brake fluid, gasoline, and many similar products.
- Thin only according to the instructions. Improper thinning may cause sealer delamination in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Follow instructions for the chosen topcoat for surface preparation and application guidelines.
- ⚠ SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES.
- **CLEAN-UP:** Use xylene to clean tools and equipment. Dispose of containers in accordance with local, state, and federal regulations.
- **PRODUCT REMOVAL:** The material is a concrete dye and cannot be chemically removed. It requires the use of a commercial sandblaster, floor sander, diamond grinder, or similar mechanical equipment to remove.
- **SHELF LIFE:** Up to one year from the manufacture date when stored in its original, unopened container at room temperature.
- **PACKAGING:**
 - 8 oz. container: Mixes with 1 quart of acetone.
 - 16 oz. container: Mixes with 1 gallon of acetone.
 - 128 oz. container: Mixes with 5 gallons of acetone.
- 📦 Note: All containers are filled to the required concentration weight. Actual volume may vary depending on the color.

