

S-5000 Concrete Dye

TECHNICAL DATA SHEET

DESCRIPTION:

Super-Krete Concrete Dye is a simple-to-use, fast drying pigment for use on interior concrete and cementitious toppings. Concrete Dye is formulated by using extremely fine molecules of color designed to penetrate and color any concrete surface when mixed with acetone. Concrete Dye is a safe alternative to traditional concrete coloring and staining methods. Concrete Dye can be used to enhance existing colored concrete and is perfect for use on polished concrete. Concrete Dye is available in 12 standard colors and can be combined to create an unlimited color palette. Custom colors are available for an additional fee.

USES:

- Polished Concrete
- Interior Concrete
- Intensify and enhance existing colored concrete.
- Add visual texture and depth to a concrete surface or cementitious topping
- Build layers of color
- Even out color tones, blend and soften areas where stains reacted unevenly

NOTES:

Concrete Dye is intended to enhance, rather than disguise the concrete surface. Concrete Dye will not hide cracks, blemishes or other flaws. Concrete Dye is translucent and will not mask an underlying color. Concrete Dye is to be mixed with acetone on the jobsite and is for INTERIOR USE ONLY. It is very important to note that if Concrete Dye is exposed to UV light, color will fade over time. The use of UV protection (window film, shades, etc.) will be a factor on the length of time before dye must be re-applied.



COVERAGE: A one-gallon mixture will cover approximately 400-500 sq. ft. and will depend on the porosity of the concrete and application technique.

SURFACE PREPARATION:

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 and approximate final results. The application area must be clean and free from all forms of dirt, oil, alkali, paint, sealers, contaminants and bond breakers. Mask and protect all areas not to be dyed accordingly. Apply Concrete Dye only to dry, neutral concrete surfaces.

MIXING:

Concrete Dye is packaged in a single unit in powder form and is to be thoroughly mixed with 1 gallon of acetone (sold separately). CAUTION: Acetone is extremely flammable and all ignition sources must be turned off. Extinguish pilot lights and heaters. Wear protective gloves and eye protection. It is recommended to follow the acetone manufacturer's instructions and the material safety data sheet (MSDS) for exposure limitations and safe handling practices.

It is recommended that the Concrete Dye mix be prepared 10 to 12 hours prior to installation. If time is a factor, mixture may be prepared within a minimum of 2 to 3 hours. Fully shake mixture again prior to application.

APPLICATION:

The use of protective gear and solvent approved aspirators must be used. Confirm that all ignition sources have been turned off. Electrical tools and cigarettes should not be used. Provide ample ventilation. When Concrete Dye mixture is applied, only use a dedicated "acetone only" sprayer with a cone-jet ceramic tip. Super-Krete recommends the SP Systems 35ACT Sprayer for use with Concrete Dye and acetone mixture. Pump sprayer several times to establish good pressure. Begin application by purging the sprayer, preferably in a 5-gallon bucket. In order to get the desired mist from the tip, maintain a consistent overlapping and circular spray coverage throughout the application process. Do not overspray. Since Concrete Dye dries in seconds, you may walk back over the floor with clean gear and reapply to get additional mottling effect. If using more than one color of dye, apply a light color as a base coat first, then apply the darker color on top. Between spray applications have a bucket or rag readily available to catch drippings. It is advised to start the sprayer and stop the sprayer in a bucket in order to avoid dripping. Drips and spills can become permanent. Pure acetone can be used to wipe up some drippings and spills. After applying Concrete Dye, clean up residue by dry mopping or using a white buffing pad to remove a small amount of residue. DO NOT USE WATER. A vibrant color will result when the surface is sealed.

SEALING:

Super-Krete recommends all dyed surfaces be sealed with the appropriate sealer. Refer to Super-Krete Specification S-1 Selecting the Right Sealer to determine the most appropriate sealer for your project. Seal dyed floor using a low viscosity, sprayable sealer. Use appropriate sprayer and tip per sealer instructions. Two coats are recommended for superior protection. It is not recommended to roll on the first coat of sealer over dyed surface as it may reactivate the dye.

CLEANING: Between dye and sealer application, no cleaning or buffing is required.

STORAGE: Store in a cool, dry place. Keep container sealed.

COMPLIANCES:

Concrete Dye is VOC and OTC Compliant in all areas of the United States. The EPA has granted acetone VOC-exempt status. It is not a hazardous air pollutant under the Clean Air Act Amendment of 1990. Please check with your individual state if questions arise.

TECHNICAL INFORMATION:

Concrete Dye is a permanent dye and cannot be chemically stripped. An industrial sand blaster, floor sander, diamond grinder or similar mechanical machine is necessary to remove Concrete Dye after it has cured.

SHELF LIFE:

Concrete Dye has an unlimited shelf life in powder form when properly stored in unopened container. Once mixed with acetone, shelf-life will depend entirely on the evaporation rate of the container. Ensure all lids are tightly sealed to ensure the longest lasting shelf-life.

PRECAUTIONS:

1. Keep away from children. Do not take internally. Read and understand MSDS before use.
2. All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
3. Concrete Dye is extremely flammable (finished product). Do not smoke.
4. It is not recommended to apply Concrete Dye over carpet, tile or any type of floor adhesives.
5. Concrete Dye should only be used at the recommended dilution rate (never straight).
6. Concrete Dye may be mixed to form various colors. Super-Krete is not responsible for color outcome.
7. Concrete Dye is a permanent application. Test prior to use.

LIMITATIONS:

Super-Krete products are to be applied only when surface temperatures are above 55°F and rising and not to exceed 100°F. Super-Krete products are not to be applied when precipitation is expected within 24 hours following completion of application. Do not allow materials to freeze. Each Super-Krete product acts as an inherent part of a proven system. Super-Krete products are professional, contractor grade products. Training in the use of these products is available. Consult Super-Krete for information and assistance locating approved contractors in your area or for training class dates.

NOTE: Super-Krete International, Inc. believes this information to be true to the best of our knowledge and products are of the highest quality and uniform within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied is made as to the effect of such use and no liability is assumed directly or indirectly, from their use. Buyers and users are encouraged to conduct their own test prior to application.

WARRANTY:

Super-Krete products are warranted only when applied by Super-Krete Certified Applicators in accordance with Super-Krete specifications. No warranty applies to products applied over concrete substrates with moisture vapor transmissions exceeding (3 lbs.)/(1,000 sf) of surface area. Super-Krete provides a 5 year warranty when products are applied by Certified Applicators. To apply for warranty, refer to the Super-Krete Limited Warranty and form filing at www.super-krete.com.