



Concrete Dye

Data Sheet

Part # DYE-AB, -AVO, -BLK, -BR, -BSR, -BUR, -CG, -CHOC, -COP, -DB, -EG, -EL, -ES, -FERN, -GY, -IB, -MAH, -MAIZE, -MB, -OCE, -PB, -PEAR, -PLUM, -PURP, -RED, -SG, -SR, -STONE, -TC, -TEAL

DESCRIPTION: Concrete Solutions® Concrete Dye is sold in a powder form to be mixed with acetone to create a wide variety of translucent colors for staining regular or polymer concrete. More acetone results in a lighter color and less acetone achieves a darker color. Available in any color, dye colors can be mixed together or applied over different colors of Acid Stain and/or Spray-Top® products to create your own unique colors. It can be applied to create a solid color or a mottled antique look similar to acid stains. Unlike acid stains, Concrete Dye dries quickly, does not need rinsing, and can be sealed the same day.

TYPICAL USES: Concrete Dye penetrates the surface to create a permanent color that cannot chip or peel. It is most commonly used on residential and commercial interior floors such as restaurants, casinos, retail stores, hotels, living rooms, kitchens, bathrooms and many other applications. It is also used on concrete counter tops, vertical applications and to color over stencils and modellos. For the best results, apply over Concrete Solutions Resurfacer and/or Spray-Top.

FEATURES & BENEFITS:

- Easy to use - does not need rinsing
- Fast turnaround time - can be sealed the same day it is applied
- Can be applied by Concrete Solutions pump-up sprayer which is acetone resistant

CHEMICAL PROPERTIES:

	Result
Coverage Rate per Gallon (mixed with acetone)	400 sqft

SURFACE PREPARATION: Regular concrete must be cured a minimum of 28 days. The surface should be scrubbed with detergent and rinsed clean prior to applying Concrete Dye. Concrete surfaces must be clean and free of all foreign contaminants such as curing compounds, bond breakers, oil, sealer, dirt, paint, and cleaning residue. Pressure washing and/or additional cleaning methods may be required to totally clean the concrete surface of all contaminants. Curing compounds, sealers and other membrane forming products applied to the concrete surface prior to dying will affect the ability of the dye to properly react with the concrete. Some concrete surfaces may be too hard or porous to achieve the desired result and may need resurfacing with Resurfacer and/or Spray-Top. Concrete Solutions Resurfacer or Spray-Top should cure a minimum of 6 hours before applying Concrete Dye.

MIXING INSTRUCTIONS: Read all cautions and Safety Data Sheets before any work is started. Always do a small test area or sample board with the final sealer applied before project installation and have it approved. The coloring effect can vary depending on the age, texture, finishing techniques, amount of coats applied, amount of acetone used and other variables within the concrete surface. When mixing colors, keep a record of the ratios mixed for future use and color matching. When applying two coats of the same color, it usually works best to add twice as much acetone as recommended on the bottle to prevent the color from being too dark or too red. Concrete Dye is available in two sizes which can be mixed with either one quart or one gallon of acetone (see mixing instructions on the front of the bottle label). Larger size containers can also be provided upon request to be mixed with five gallons of acetone. Dye colors can be mixed together to create your own colors or mix more or less acetone to create lighter or darker shades of a particular color.

Sample Mixing Instructions For Two Coat Applications Of The Same Color - Start by mixing the recommended amount of acetone, then pour out one cup of the mixture of dye and acetone into an empty container and add one more cup of clear acetone. Spray this mixture over your sample board of Spray-Top or over the surface to be coated in an inconspicuous area. Apply the final sealer over the sample to check the color of the dye and have it approved by the customer before starting the job.

APPLICATION INSTRUCTIONS:

1. For professional use only by experienced contractors.
2. Protect all surrounding areas before applying Concrete Dye. Rope off areas to be dyed and keep all traffic clear of the area until the installation is complete.
3. **Warning:** Acetone vapors are extremely flammable. **Turn off all pilot lights** prior to use and do not use near an open flame. Avoid breathing vapors. Use only in areas with adequate ventilation and wear the proper breathing mask. Do not use near electric tools or create any sparks or static electricity around work area to avoid a flash fire. **KEEP OUT OF REACH OF CHILDREN.**
4. When going over regular or polymer concrete, do a small test area to determine how much acetone to mix to

CONCRETE SOLUTIONS® CONCRETE DYE (continued):

achieve the desired concentration of color. More acetone will achieve a lighter color and less acetone a darker color. **When applying two coats of the same color, see above for special mixing instructions.**

5. **Always do a small test area** in an inconspicuous area before project installation to ensure approval and compatibility of all products and desired color. Read all labels and technical data sheets before using Concrete Dye. Always check local codes for all Federal and State Regulations, along with the appropriate safety standards.
6. Depending on the color desired, an application of two or more coats of Concrete Dye may be required.
7. **Application:** Apply Concrete Dye using an acetone resistant pump-up sprayer (available through Concrete Solutions). Spray the dye in a circular motion to achieve the desired look. Start by spraying into a bucket and then keep the spray going while moving the spray wand out of the bucket. Carry a small bucket with you and end the spray into the bucket or a rag to avoid leaving drips on the floor. When spraying more than one color, apply the first color without covering the surface completely and then apply the second color to fill in the bare spots between the first color. If a third color is used, it can be lightly applied to soften or blend the first and second colors together. Practice different methods and techniques on a sample board prior to doing a job.
8. **Sealing:** Dyed floors can be sealed with at least two coats of either Concrete Solutions Stamped Concrete Sealer, or Acrylic Urethane. Never apply Acrylic Urethane over Stamped Concrete Sealer or vice versa. For the best results, apply the Acrylic Urethane or Stamped Concrete Sealer using our 3.5 gallon pump-up compressor sprayer. Where a water-based low odor system is desired, Sealcoat 1000 or WB Epoxy Clear can be used as a prime coat and WB Urethane 2A to 1B in gloss or satin as the top coat. For these sealers an airless or HVLP (high volume low pressure) sprayer achieves the best results.
9. For maintenance of interior floors, apply Concrete Solutions Floor Finish gloss or satin using a rayon mop when needed. See the Floor Finish, Stamped Concrete Sealer, Sealcoat 1000, Acrylic Urethane, WB Epoxy Clear and/or WB Urethane 2A to 1B Technical Data Sheets for more information.

NOT RECOMMENDED FOR: Concrete that is less than 28 days old

COLOR OPTIONS: 30 standard colors. Custom colors may be available by special order.

HOW SUPPLIED: Concrete Dye is packaged to mix with 1 quart of acetone, 1 gallon of acetone or 5 gallons of acetone.

WARNING: The acetone that is needed for the Concrete Dye is combustible and should be kept away from open flames. Turn out all pilot lights. Wear the proper breathing mask in areas with poor ventilation. Read Material Safety Data Sheet before using. For professional use only!

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)

Chemical systems require the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

©2014 Rhino Linings Corporation. All rights reserved.



Rhino Linings Corporation
9747 Businesspark Avenue, San Diego, CA 92131
858-450-0441 • Fax 858-450-6881
1-800-422-2603
www.rhino linings.com

Concrete Solutions by Rhino Linings
7455 Carroll Road, San Diego, CA 92121
1-800-232-8311 • Fax 858-566-4346
www.concretesolutions.com