

DeltaDye® Water-Based Concrete Stain System

APPLICATIONS: DeltaDye® is designed to be used on porous concrete/cement/masonry surfaces. It is most useful over horizontal surfaces. However, with some care it can be used on vertical surfaces as well. Coverage: Base coat - 250-300 sq. ft per gallon, Additional coats – 400-500 sq. ft. per gallon. Coverage is dependent upon the porosity of the substrate. This product can be used indoors/outdoors and must be sealed.

PREPARATION: The concrete surface must be porous. *It is up to the user to make the concrete porous if it is not by etching or grinding where appropriate is recommended.* Any previously applied sealer, paint or other oil-based products must be removed. If the surface is such a hard troweled slick finish that DeltaDye® cannot penetrate, then grinding or etching is required. HD357 Etch (acid-free) can be used to open up the surface. Rinse floor thoroughly after etching, removing all etchant residue. Allow concrete to dry for up to 24 hours prior to applying Delta Dye. If surface has been ground it must be cleaned and brushed to get all sand/dust particles up from pores of concrete. Rinse well and wet-vac floor while is wet. Test area where sanded with stain to make sure there is porosity in the slab and all dust is removed.

INSTALLATION: DeltaDye® should be sprayed. Spraying is the preferred method. Users can wipe freshly applied product for a weathered effect. Care must be taken to avoid or cover up straight lines associated with rolling. DeltaDye® should be applied full strength. If diluting is desired, use only distilled-water and do not exceed 25%. Dilution may change the color. DeltaDye® colors can be intermixed to create new colors if desired. DeltaDye® color is built-up and may require repeat applications, depending on the porosity of the concrete. Porous substrates, concrete pavers and blocks will require more product and may affect the end look of the product. Test for desired results prior to staining.

When using a single color of DeltaDye® the first step is to apply completely over the entire surface. Spray Delta Dye in random patters to help achieve a more mottles and varied appearance. Never used the same pattern throughout. Vary between a figure 8, S, circular and other random patterns. The varying degrees of porosity within the concrete will also aid in a “mottling” appearance. Additional “acid” effects are achieved through further applications, either in complete coverage or random, haphazard applications. Further applications depend on desired look and porosity of the concrete. ***-If the user has any reservations about color choice or application feasibility, we recommend using a sample first-***

TECHNIQUES: The results that can be obtained by using DeltaDye® have been limited only by imagination. Here are some guidelines or pointers. When using multiple colors, apply the lightest colors first. Allow each color to fully dry before applying the next to avoid an indistinct blending of colors. White can be applied first, either in complete coverage or randomly which results in more extreme mottling. Colors can be inter-mixed if desired. More control and distinct color is achieved by building one color on top of another. Spraying to some saturation, even puddling, following by blotting or swirling has produced some attractive results. Please refrain from excessive accumulation, too much product can weaken the application. Multiple thin coats are best. Use a bucket to rest sprayer wand in when not spraying to avoid drips and leaks. Begin spraying in the bucket, then quickly move to the area intended for DeltaDye®. This method keeps the floor from having any noticeable “stopping and starting” areas. Keep a wet terry cloth towel on hand to blot any larger spots or drips that can occur. It is recommended to test your technique on a large piece of cardboard prior to applying on the floor intended.

SEALING: DeltaDye® stained floors MUST be sealed.

Indoor sealers: HD6500EXT, SEC Sealer, SD-Clearview, Nohr-S® Polyurea. Kera-Quartz.

Outdoor Sealers: HD6600MMA, HD6500EXT, or Kera-Quartz.

Be sure to consider ventilation and PPE when using solvent based sealers indoors. Basement applications should be limited to HD6500EXT, SEC Sealer or SD-Clearview as ventilation is typically poor in these applications.

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HellFire® Coating • Nohr-S® Polyurea • DeltaDye® Concrete Stain • FiveTon™ Epoxy Patch