

## **DeltaDye® Concrete Stain** (indoor/outdoor)

### **Product Description**

**DeltaDye®** is a user friendly alternative to acid stain. **DeltaDye®** is a penetrating, waterborne pigmented stain formulated to stain concrete or cement based toppings and overlays. **DeltaDye®** is for use on porous cured concrete that is uncolored, color hardened or integrally colored. It is compatible with vertical and horizontal overlay systems.

### **Features and Benefits**

Easy to use  
Safe for the environment  
Brilliant color  
Artistic results with little effort  
(25) unique colors (now offering WHITE)

### **Recommended Applications**

**DeltaDye®** is recommended for all interior and exterior concrete and cement based surfaces. Especially useful for stained concrete applications common to garages, drives, patios, walks, pool-decks, lobby areas, store-fronts, retail spaces, etc....

### **Technical Data**

Solids: 25%	Rec. Sealers: SEC Sealer, HD6525MMA, Nohr-S
VOC Level: 0	Appearance: translucent to opaque
Dry time: 30 minutes to one hour	Abrasion Resistance: n/a
Recoat time: 1 hour	Concrete Adhesion: Excellent
Oil & Salt Resistance: requires sealer	Foot traffic: 1-2 hours
Motor Oil Resistance: requires sealer	Wheel traffic: 24-48 hours
Finish: matte (requires sealer)	Application temp: 45-90 degrees

### **Coverage Rates**

200-300 sq ft. per gallon, per coat

### **Shelf-Life**

**DeltaDye®** has a one-year shelf life in an unopened container. Protect from freezing or extreme heat.

### **Packaging**

One gallon, 5 gallon

### **Instructions for Use**

Preparation: If the concrete surface does not repel water and is not a hard troweled surface then little or no prep work is required. 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 light sanding/grinding or etching is required. HD357 Acid Etch can be used to open up the surface. If surface has been sanded/ground it must be cleaned with a mild cleaner and brushed to get all sand particles up from pores of concrete. Rinse well and wet-vac floor while it is wet. Test area where sanded with stain to make sure there is porosity in the slab and all dust is removed. Application: **DeltaDye®** can be sprayed, squirted, mopped, painted or rolled. 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®** may be applied full strength or can be diluted with water to get a lighter hue of color.

**DeltaDye®** color is built-up and may require repeat applications, depending on the porosity of the concrete. It is not recommended to use on extremely porous substrate such as concrete blocks. For extremely porous surfaces 1/2 to 1 pint of Min-Wax water based Polycrylic can be added per gallon of **DeltaDye®** to decrease the absorption and give you desired color without using as much product. The use of polycrylic not only speeds up the job, but is more cost effective when using large amounts of **DeltaDye®**. When using a single color of **DeltaDye®** the first step is to apply completely over the entire surface. A single color of **DeltaDye®**, in a single application, achieves mottling by the varying degrees of porosity within the surface of the concrete. 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.

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 lighter colors first (however, yellow can be applied over red to "orange" it up a bit. White can be applied first, either in complete coverage or randomly which results in more extreme mottling. Color can be mixed in any fashion. They can be mixed before application and will actually separate a little to produce mottling by slightly different colors. 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. The edges of puddles will leave very distinctive veining, upon drying.

SEALING: **DeltaDye®** stained floors must be sealed. Indoor sealers: HD6525mma(low voc form.), SEC Sealer, Nohr-S Polyurea. Outdoor Sealers: HD6525mma, HD6600mma. Be sure to consider ventilation and PPE when using solvent based sealers indoors.

### Clean-Up

Use soap and water.

### Product Removal

This product cannot be removed without mechanical removal of substrate.

### Precautions and Limitations

Restrict the use of the floor to light traffic and non-harsh chemicals 24 hours has passed. Keep the floor dry for this period. Always test cleaners prior to use. This product is not suitable for use with any other sealer or epoxy. Floor must have porosity for this product to be effective, when in doubt test before committing fully.

\*This product will stain clothing, skin, etc... Wear protection to avoid unwanted stains.

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