



NanoDye™ Technical Data Sheet

TOOLS & MATERIALS REQUIRED

- ★ Pump-up sprayer with conical tip (acetone resistant sprayer if using acetone)
- ★ If not using drip-less sprayer, absorbent cloth or small container to catch drips
- ★ Masking materials
- ★ White buffing pad and tackcloth

WHEN SEALING

- ★ GU Surface Etcher
- ★ GU Green Clean & Degreaser
- ★ Synthetic bristle brush

TEST BEFORE PROCEEDING

Test an inconspicuous area to be sure that concrete accepts stain and color meets expectation before proceeding. Test for water seep by taping plastic on one square foot of floor. Remove plastic the following day. If floor is wet, you should not stain and seal floor. If concrete is dusty, do not proceed until densified.

SURFACE PREPARATION

All walls, furniture, columns, or other items/areas that you do not want to color should be masked to protect the items from overspray. Concrete should be free of dirt, dust, and oil. The time exception is within 5 days if concrete is cured with Green IceCure System. For polishing, profile with a coarse grit. For sealing, proceed as follows: Pre-etch and clean with *GU* approved Surface Etcher or grind until concrete readily absorbs water. Dense concrete surfaces may require mechanical preparation to accept dye. Dusty concrete surfaces are not suitable for coating application. For oily surfaces, *GU Green Clean & Degreaser* is recommended. Power wash the surface at 3000 psi. If not possible, scrub with clean water and remove excess. Allow to dry 24 hours.

DYE PREPARATION

GU NanoDye concentrate should be transferred into a 1-gallon sprayer. Use clean water or acetone to rinse the residue from the concentrate bottle into the 1-gallon container. Repeat this step until all *GU NanoDye* is out of the bottle. Add clean water or acetone to a final volume of 1 gallon. If diluted with acetone, floor can be sealed same day. If diluted with water, floor should be sealed the next day. To use larger capacity sprayers, adjust volumes.

APPLICATION

Always apply a test spot in an inconspicuous area before proceeding with a project. Apply with an appropriate pump-up sprayer using a conical, fine-spray tip. Small areas can be brushed using a circular motion to avoid brush strokes. Take care to maintain a wet edge to avoid bleed lines. Do not apply more material than the surface will absorb in 1 minute. Prior to application, tape a piece of cloth or a small container to the sprayer body to catch drips while not spraying the material. Place the tip of the spray wand on the cloth or into the small container immediately after releasing the spray handle. Apply the dye uniformly to obtain a more uniform final appearance. Apply in a random, circular motion with some over lapping to generate a more mottled look and more closely resemble acid stain. Colors may be blended to produce an infinite pallet or applied over a base color for a unique look. Depending on the depth of color that is desired, more than one application may be required. If using water to dilute the dye, allow the dye to dry for at least 6 hours before applying a solvent-based clear sealer or 4 hours for a water-based clear sealer. If using acetone to dilute the dye, the colored surface can be sealed 30 minutes after the dye has been applied. The surface must be sealed with a clear concrete sealer to lock in and protect the color. If using a water-based sealer, a light initial coat should be applied to the dyed surface with a pump sprayer to “lock in” the dye. Apply the sealer per the manufacturer’s instructions. Apply 2 coats initially per the label’s instructions, and touch-up periodically as a regular maintenance routine. Keep a container of clean water or acetone available and place the end of the sprayer wand into the liquid between applications. This will keep the tip from being clogged. Use clean water or acetone to rinse the sprayer for color changes.

POLISHING

Grind surface to between 200 and 400 grit. Apply *GU NanoDye*. Densify and polish to desired finish.

COVERAGE RATE

Approximately 200-400 square feet per gallon, depending on porosity and depth of color desired.

SEALING

The surface must be sealed with a clear concrete sealer to lock in and protect the color. If dye residue is present, remove with white buffing pad and tack cloth. Do not use water. A light initial coat of sealer should be applied to the surface with a pump sprayer to “lock in” the dye. Apply Green Umbrella topical treatment per the manufacturer’s instructions. If using acetone based dye, you can seal immediately. If using water-based dyes, wait 4 hours. Apply 2 coats initially per label’s instructions, and touch-up periodically as a regular maintenance routine.

TECHNICAL DATA

VOC: <15 g/L

Flash Point: 150° F

DOT: Non-Regulated Material

HMIS

Health	1	Flammability	2
Reactivity	0	Protection	B

DISCLAIMER: Since manufacturer has no control over handling, use or storage, no guarantee expressed or implied is offered. Green Umbrella warrants the product to be free of defects and will replace or refund the purchase price of said products proven defective. Labor cost and/or other consequential damages are not covered by this warranty. Responsibility for claims of any kind is strictly limited to the purchase price of the product. The suitability of the product for any extended use shall be solely up to the user.