



EUCLID CHEMICAL

# SPRAY DECK INSTALLATION GUIDE

**1. DEGREASE** – All surfaces must be free of any paints, waxes, curing agents, and other coatings. Uni-Stripp is perfect for removing such substances. Clean and degrease the concrete surface with a cleaner specifically designed for concrete surfaces. Scrub and then rinse thoroughly. Repeat the process until there is no sign of water beading on the surface.

**2. ACID ETCH** - Etch the concrete surface with 1 part muriatic acid to 5 parts water. Never add acid to dry concrete. Make sure the concrete substrate is saturated-surface dry (SSD) prior to acid etching. You want the acid solution to work on top of the concrete and not soak in. Agitate the solution vigorously with a stiff broom and rinse thoroughly with a power washer (min 2500 psi.). Repeat until the surface has a sandpaper like texture.

**3. MIX GROUT** – Euclid Chemical manufactures two different Spray Deck grouts. The first is a two component system consisting of a powdered grout and a liquid polymer resin. The second is a SINGLE COMPONENT grout that has the polymer in a powdered form. Single Component Spray Deck Grout is mixed with cool, clean water.

If using the two-component system, reduce the Spray-Deck Resin by 50% with **cold water** (1 part resin to 1 part water). Then add half the prescribed amount of premixed resin (4 – 6 Qts) to the bottom of a clean plastic 5-gallon pail. Slowly spinning a paddle mixer in a hand held mortar mixer, add a bag of Spray-Deck Grout while also adding Spray-Deck Resin premix until the proper consistency is achieved. Let the material sit 2-3 minutes and remix, adding more premix if desired.

If using the Single Component Spray Deck system, add 4 Qts of cool, clean water to the bottom of a clean plastic pail and start adding the powdered grout mixing with a hand held mortar mixer, mixing until proper consistency has been achieved. Let the material sit 2-3 minutes and remix, adding more premix if desired.

**4. MASK OFF** - Mask off all adjoining areas with duct tape and plastic.

**5. SLURRY-COAT** - If the surface is damaged it would then require a slurry coat. A slurry coat consists of approximately 6 quarts of liquid (water or resin/water) to one bag of Spray-Deck grout. A bonding agent such as EucoWeld 2.0 is highly recommended to aid in slurry coat application and to minimize slab outgassing. Apply EucoWeld to clean and profiled surface per product instructions and let dry.

Mix the material to a soupy pancake like consistency (see #3). Then trowel or squeegee the material over the surface as thin as possible not exceeding  $\frac{1}{4}$ ". After the material has cured long enough to walk on it with stocking feet, carefully scrape any ridges or high spots smooth.

**6. SPRAY** - Mix the Spray-Deck Grout with 4 - 6 quarts of liquid depending on weather conditions (see #3). Set the compressor petcock to 3 - 7 psi and the orifice on the pattern pistol to the second to largest. Pour the mixture into the hopper and spray 70% of the concrete surface in a circular motion.

**7. KNOCKDOWN** - Using a pool trowel and wearing cleated shoes knock down the material to the desired finish.  
Note: Trowel in One Direction Only

**8. SCRAPE** - After the appropriate curing time, gently scrape the surface with an 18" floor scraper and then sweep the surface vigorously with a clean stiff bristled broom. At this point a high velocity blower should be used to remove any loose material left on the surface.

**9. STAIN** - After at least 24 hours of drying time, stain the surface with Increte Concrete Stain Sealer. Apply the stain with a heavy-duty roller frame and phenolic core roller cover. Rolling in all directions without leaving any puddles. After the first coat of stain is tack free apply a second coat. Two coats should result in a solid, uniform color.

These application instructions are only guideline, intended for use by Euclid Chemical applicators.