

TDS AND APPLICATION GUIDE

DESCRIPTION:

HydroCoat is a specially formulated, water-based epoxy coating/sealer, with excellent adhesion to both old and fresh GREEN concrete. This product is designed as a tinted coating for smooth and profiled concrete. HydroCoat has a long pot life, very low odor, good chemical resistance, and dries to a walkable surface in 4-6 hours at 73°F.

FEATURES & BENEFITS:

- Economical primer/sealer with excellent coverage rates, 350-500 sf/gallon
- >50% solids epoxy by volume
- Provides an excellent, non-dusting surface for ease of cleaning
- Can be applied over fresh, GREEN concrete within hours
- Excellent adhesion to smooth concrete, will not peel
- Excellent resistance to blistering
- V.O.C. compliant and low odor; <50 g/L
- Can be used indoors or outdoors as a primer
- Good resistance to a wide range of chemicals and cleaning products
- User-friendly installation; tools can be cleaned with water

APPLICATIONS AS A PRIMER/SEALER:

- Over smooth, fresh or old concrete
- As a sealer for floors and walls
- To help protect concrete floors from oil stains
- As a primer for tile and carpet adhesives, epoxies and urethanes

PRODUCT DETAILS:

Bulk Packaging	4-gallon kits			
Color	Clear or Tinted Gray shades, Beige, others contact factory			
Shelf Life	24 months in unopened containers			
Set Time Guidelines		60°F	73°F	90°F
	Pot Life	45 minutes	1 hour	30 minutes
	Foot Traffic	12 hours	6 hours	4-5 hours
Theoretical Coverage of 1-Gal Kit over smooth concrete	350-500 SF (varies with surface texture and porosity)			
Mix Ratio by Volume	3B:1A (clear) 3B:1A (tinted)			
VOC Content	<50g/L per ASTM D-2369-01			

CONCRETE PREPARATION

Note that in general ALL substrates must be clean, sound, and have minimum 250psi tensile bond strength when tested per ASTM D4541. Be sure concrete is free from oil, grease, urethane, paint, adhesive, underlayment or any contaminants. Do not apply to concrete that has hardeners, curing agents, or densifiers. HydroCoat should not be applied over slabs subject to Hydrostatic Pressure.

CONCRETE FINISH: HydroCoat is designed to go over smooth, power-trowel concrete; without the need to shot blast or scarify surface. If mechanical surface preparation is required, use a fine grit mesh.

MIXING & APPLICATION

Pre-mix part B (tinted side) prior to adding part A, to get the pigments well mixed and off the bottom of the pail. Scrape corners with a mixing stick to ensure all pigments are loose. Then add part A into part B pail, and mix using a high-speed hand drill, for approximately 1-2 minute or until the mixed material has uniform consistency. Scrap sides of pail to be sure all A+B sides are integrated.

Note: If application requires 2 coats, you can dilute first coat up to 15% with water, to help improve the economics for the job. After mixing, distribute the liquids into roller pan and using nap roller, dip and roll out immediately. The use of an 18" wide nap roller is highly recommended. HydroCoat must be applied in a thin film, roll the material tight, and do not allow material to puddle. Roll slowly using a cross-hatch pattern if necessary. Material will not dry uniformly if allowed to puddle. Re-coat times range 2-6 hours depending on porosity of the surface.

Note: For maximum floor protection, it may be necessary to apply two coats of HydroCoat. This will depend on the porosity of the concrete as well as the amount of protection required.

CLEAN UP

HydroCoat, while still wet, can be cleaned up with a scouring pad and warm soapy water. If allowed to set, then mechanical cleaning or the application of a suitable paint stripper is required.

Dispose of excess material in accordance with local, state, and federal regulations.

STORAGE

HydroCoat should be stored in closed containers, between temperatures 50-80°F. Do not allow to freeze.

CLEAN UP

Tools and surfaces can be cleaned with water. Dispose of excess material in accordance with local, state, and federal regulations.

SAFETY PRECAUTIONS

HEALTH CONSIDERATIONS

As with all epoxies, good hygienic habits must be observed, and the wearing of protective clothing and gloves is advised. Before using any S3 Surface Solutions, LLC. product, please read and follow the product Safety Data Sheet (SDS). Use this product only as directed. Keep out of the reach of children.

FOR YOUR PROTECTION

The data, statements and recommendations set forth in this product information sheet are based on research and development work which has been carefully conducted by S3 Surface Solutions, LLC. and we believe such data, statements and recommendations will serve as reliable guidelines. This product is subject to numerable uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any use. Users are advised to test the product in advance to make certain it is suitable for their installation conditions and uses.

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WARRANTY

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