

Description

HydroSeal is a specially formulated, two-part water-based Aliphatic-Polyurethane sealer for floors and walls, both interior and exterior capable. This coating has low odor, contains <50g/l VOCs/HAPs, and is UV color stable. The system develops a hard, high-gloss, wear resistant, and flexible thin film top coat. It can be supplied as clear or tinted gloss surface coat.

UltraSeal Features & Benefits

- Low VOC, <50 g/l
- Recommend max 4 wet mil thick (400 sf/gallon) application, but up to 600 sf/gallon
- Convenient 3B:1A mix by volume; allows up to 15% added water
- Excellent adhesion
- Excellent wear resistance
- Very good elongation and tensile strength
- Excellent UV light resistance, good for direct sunlight, will not yellow or chalk.
- Finish colors include: Clear gloss and Tinted gloss
- High chemical and mold resistance
- Environmentally safe and meets all USDA/FDA guidelines
- Excellent stain resistance to ketchup, iodine, coffee, etc.
- Brings life to Acid-stained concrete

Applications

- As a resilient top coat over HydroCoat WB epoxy systems
- Over stained concrete
- Protective coating for floors and walls
- Interior or exterior protective coatings

Product Details

Packaging	4-gallon kits
Color	Clear gloss & satin, Tinted colors gloss & satin
Shelf Life	12 months in unopened containers
Pot life @ 73F	45 minutes
Tack free time @ 73F	4-6 hours
Pencil Hardness (ASTM D-3363)	2H
Solids by Weight	64%
Taber Abrasion (ASTM D4060-14)	21.7 mg loss
Light traffic @ 73F	24-48 hours
Full cure	5-7 days
Application Temperature	60-80F, <70% RH
VOC Content	<50 g/L
Viscosity	200-300 cps

Chemical Resistance

After 5-day full cure

Motor Oil	R	25% Sulfuric Acid	R
Gasoline	R	25% Acetic Acid	R
Diesel Fuel	R	10% Nitric Acid	LE
Brake Fluid	R	85% Phosphoric Acid	LE
Anti-Freeze	R	10% Hydrogen Peroxide	R
Hydraulic Fluid	R	25% Hydrochloric Acid	R
Brake Cleaner	R	IPA	R
Acetone	R	MEK	R
Xylene	R	Iodine	R
Jet Fuel	R	Skydrol	R
Salt Water	R	Alcohol	R
Vinegar	R	Household Bleach	R

R-Recommended

LE-Limited Exposure (2 hours)

NR-Not Recommended

Surface Preparation

If applying over existing, glossy coating, thoroughly sand surface with 120-320 grit sand paper to ensure a strong bond. After sanding, vacuum surface to remove all dust.

If applying over acid-stained concrete, be sure surface is clean and dry. Follow acid stain manufacturers procedure for cleaning and neutralizing surface prior to installation of this product.

Over concrete, best to use HydroPrime or HydroCoat water-based epoxy primers which require minimum preparation.

Mixing & Application

Mix part A into part B and integrate for approx 2 minutes, scraping pail sides, until A & B sides are thoroughly mixed. Keep containers tightly sealed when not using the product.

This material applied thickness should not exceed 5 mils, as thick film buildup can cause foaming of the sealer. Typical application thickness is 4 wet mils, which will yield approximately 2.5 dry mils.

Use a non-shedding, urethane/epoxy grade, high density, short nap roller. When using a squeegee, pull the material to thin mil thickness and back roll with above described roller. Apply at a rate of minimum 400 sf/gallon. Re-coat window is 12-20 hours after installation. Product can also be sprayed at low pressure, contractor to experiment with techniques that work best for them. Best when applied between temperatures of 50F to 80F, with humidity levels between 40-60%. Do not allow to puddle.

Clean Up

HydroSeal can be cleaned with MEK or Acetone.

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

Storage

HydroSeal must be stored in closed containers, between temperatures 50-80°F, to avoid evaporation of the water. Do not allow to freeze.

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 numerous 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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