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StrongSeal Plus

High Performance water based UV resistant polyurethane coating

Product Description

StrongSeal Plus is a two component, high performance water based aliphatic clear polyurethane coating. The product is odorless and has high non yellowing UV stability. StrongSeal Plus has excellent resistant to motor oil, brake fluid, solvents and a wide range of other chemicals. The product can be applied over concrete, epoxy flooring, tile, brick pavers and any hard surface requiring high durability and wear resistance.

Features

- Primerless
- Odorless
- Color and UV stable
- Easy to apply
- Chemical resistant
- Waterproof
- Excellent abrasion resistant
- Water Clear Gloss

Main Uses

- Decorative Concrete
- Commercial Offices
- Wood floors
- Stone and tile
- Counter tops
- Driveways
- Metal work
- Top coat to epoxy

Color

Clear Gloss, Satin and Matte.

Coverage

Approximately 400ft²/gallon (10 m²/liter) per coat depending on the density and porosity of the substrate.

Packaging

1 gallon (3.8 liter) and 4 gallon (15.2 liter) kits.

Shelf Life

12 months when stored at 77°F (25°C) or less in a dry and shaded area. Protect from freezing.

Chemical Resistance

Test Method ASTM D1308 (Covered Spot Test)

Reagent	Rating
Hydrochloric Acid 10%	No effect
Sodium Hydroxide 50%	No effect
Skydrol	No effect
Brake Fluid	No effect
Gasoline	No effect
Bleach 10%	No effect
Sulfuric Acid	No effect

Contact CoverTec for specific advice on chemicals not shown above.

Test Data

Solids by weight	48%
VOC	<50 g/L
Accelerated QUV Bulb A ASTM 6695C1 2500 hrs	Delta E Change: None Delta A Gloss Retention: No Change
Impact resistance ASTM D2794	Direct: 80in-lbs Indirect: 140 in-lbs
Pencil Hardness ASTM D3363	Gouge: 4H Scratch: H
Abrasion resistance ASTM4060-90 CS17 1,000 cycles)	33 mg loss
Thermal shock ASTM D2246 16 Cycles	Pass
Adhesion ASTM D4541	350 psi (2.4 MPa)

Application Properties

Application temperature	50 to 100°F (10 to 38°C)
Service temperature	40 to 120°F (4.4 to 40°C)
Pot life	1.5 hours at 75°F (24°C) and 50% RH
Drying time	8 hours at 77°F (25°C)
Foot traffic	8 to 12 hours at 77°F (25°C)
Recoat window	8 -12 hours at 77°F (25°C)

Surface Preparation

All surfaces to be coated must be clean and free of moisture, efflorescence, dirt, grease, oil, chalk, mildew and any other foreign matter. Existing substrates will require cleaning by pressure wash or mechanical grinding to remove accumulated dirt and salts.

After cleaning, brush off any ponded water. The surface can be damp but with no standing water prior to sealer application. Allow new concrete to cure for at least 14 days before application.

Existing Coatings

Before attempting to apply **StrongSeal Plus** over existing coatings, mechanically abrade surface and wipe clean with solvent. Check for adhesion and compatibility by coating a small test area. If lifting, wrinkling, excessive bubbling, slow drying, or other undesirable conditions occur, the previous coating must be removed

Wood floors

Do not apply over wax, lacquer, stains or shellac containing wax or stearates. Be certain floor is free from all wax or oily residue. Clean and abrade floor. Do not use steel wool. Vacuum thoroughly and tack floor with a slightly water-dampened cloth to remove all dust. StrongSeal Plus will adhere to most stains and finishes after proper preparation. **Always prepare a sample or test area to determine compatibility.**

Mixing Instructions

Stir each component thoroughly then mix Part A with the Part B with a jiffy mixer at low speed for a period of 2 minutes. **Once components A and B are mixed the pot life is approximately 2 hours. Pot life will vary based on weather conditions, temperature, humidity etc. Mixed product should NEVER be stored in a closed container.**

Dilution

Stamp Overlays, Acid Stains, Counter Tops:

Mix Part A and Part B and then dilute as follows.
1st coat: Dilute mixture with clean water ratio 1:1
2nd coat: No Dilution. Apply at full strength.

Top Coat Epoxy Floor Systems/ Wood Flooring should be sealed with StrongSeal Plus **full strength. Normally 1 coat is required.** If you wish to apply a 2nd coat allow 1st coat to dry for a minimum of 8 hours and then sand the entire surface of the coating with 80 to 100 grit sand screen and clean with acetone before recoating.

Application

Inside: apply by 1/4" (6mm) short nap roller or pump up sprayer
Outside: Apply by, 3/8" (9mm) nap roller, or pump up sprayer.

Curing

The curing time for StrongSeal Plus is approx 10 to 12 hours, depending on the thickness of the application, the temperature and the relative humidity.

Limitations

Do not apply if surface temperature is below 50°F (10°C), above 100°F (38°C) or within 5°F (3°C) of the dew point.
Do not apply thicker than recommended. Foaming will occur.
Do not apply in rain or on ponded water conditions, Avoid skin contact.
Do not discard into the water system.
Do not add paint thinners, solvents, or admixtures.

Datasheet Validity

Please check the datasheet section on www.covertecproducts.com to ensure you have the latest version of the datasheet.

Health and Safety

Please refer to the Material Safety Data Sheet (MSDS) prior to the use of this product. The MSDS can be obtained via our website www.covertecproducts.com.

Limited Warranty

CoverTec Products LLC warrants that this product complies with the properties shown on its current datasheet. In the unlikely event that the product supplied is proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. Any suspected defect must be reported to CoverTec in writing within five working days of being detected. CoverTec Products LLC. **makes no warranty as to the merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** CoverTec Products LLC shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.