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StrongSeal Plus Matte Finish

High Performance water based UV resistant polyurethane coating

Product Description

StrongSeal Plus is a two component, high performance water based aliphatic polyurethane coating. The product is odorless and has high non yellowing UV stability. StrongSeal Plus has excellent resistant to motor oil, brake fluid, solvent, acids and a wide range of other chemicals. The product can be applied over concrete, epoxy, wood 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
- Clear Gloss & Colors

Main Uses

- Concrete
- Pavers
- Wood floors
- Stone and tile
- Counter tops
- Driveways
- Metal work
- Terrazzo
- Top coat to epoxy

Color

Clear Gloss, Satin and Matte.
Standard solid colors available.

Coverage

Approximately 500ft²/gallon (12 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 (24 hrs Covered Spot Test)

Reagent	Rating
Hydrochloric Acid 10%	No effect
Sodium Hydroxide 50%	No effect
Brake Fluid	No effect
Gasoline	No effect
Bleach 10%	No effect
Sulfuric Acid	No effect
Lemon Juice	No Effect
Red Wine	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)
Wet DCOF ANSI B101.3 with CoverGrip UltraFine	0.68 High Slip Resistance

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.

Existing Coatings: Before attempting to apply **StrongSeal Plus** over existing coatings, mechanically abrade surface, vacuum thoroughly and wipe clean with water damp cloth. 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: New natural floors Sand and prepare floor according to NWFA recommended methods. Finish sanding with a 120 or 150 grit screen. Do not use steel wool. Vacuum thoroughly and tack floor with a slightly water-dampened cloth to remove all dust.

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: Mix Ratio 2A:1B

Stir each component thoroughly then mix Part A with the Part B with a jiffy mixer at low speed for a period of 1 minute. Once mixed wait for 5 minutes induction time. And then add 12 Fl. oz of water. **(Once the water has been added the pot life is approximately 60 minutes. Pot life will vary based on weather conditions, temperature, humidity etc. Mixed product should NEVER be stored in a closed container.**

Slip Resistance: CoverGrip anti-slip additive can be added for additional slip resistance. Slowly mix in 7oz pack of CoverGrip per 1 gal of mixed material.

Dilution:Direct to Concrete or 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 1st coat to a dull finish using 120 to 220 grit paper. Clean up with rubbing alcohol and cloth to remove the dust. Allow to dry and apply StrongSeal Plus.

Stamp Overlays, Acid Stains: 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.

Polished Concrete Countertops, Steel Trowel Concrete

Mix Part A and Part B and then dilute as follows.

1st coat: Dilute mixture with clean water ratio 1:1

2nd and 3rd coat: Dilute mixture with clean water ratio 1:1

Application: Pour the mixed material into a roller tray. Do not dip from a narrow container. Apply by, 3/8" (9mm) nap microfiber roller. Apply one gallon at a time. Use a 4" or 6" wide roller or brush for the edges.

Do not allow sealer to puddle in low spots or in grout joints.

The product is self-leveling so do not roll too hard. Even light pressure is all that is needed. Overlap and maintain wet edge (white). Back roll to remove any roller lines.

Change out roller after 60 minutes of use.

Periodically remix any sealer that has sat for more than 10 mins to keep all ingredients in suspension.

Drying:

Undiluted approx. 10 to 12 hours

Diluted 1:1 approx. 30 – 45 minutes

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.

Health and Safety

Before using this product consult the Safety Data Sheet (SDS). The SDS can be obtained at 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.