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VinylGuard

High performance clear gloss floor coating for VCT and Terrazzo

Product Description

VinylGuard is a two component, highly durable water clear floor coating. The product has high gloss and UV stability and is resistant to abrasion and a wide range of chemicals. The product is odorless and has been specifically developed to be applied to Vinyl Composition Tile (VCT) and Terrazzo floors. It can also be used to coat, rubber flooring, linoleum and concrete.

Advantages

- Eliminates floor stripping
- Reduces re-application
- No need to buff or burnish
- Outstanding wear resistance
- Odorless
- Reduces floor care costs
- Maintains gloss
- UV stable
- Slip resistant
- Chemical resistant
- VOC compliant
- Average 18 to 24 months refinish life

Main Uses

- Walkways, floors, stairs
- Hospitals
- Schools, Universities
- Office buildings
- Supermarkets
- Workshops, garages

Color

Dries water clear, with high gloss or matte.

Theoretical Coverage

Approximately 500ft²/gallon (12.2m²/liter) per coat
The actual cover will vary depending on the density and porosity of the substrate.

Packaging

1 gallon (3.8 liter) and 4 gal (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 D3912 (splash and spill)

Reagent	Rating
Hydrochloric Acid 10%	No effect
Gasoline	No effect
Isopropyl Alcohol 99%	No effect
Acetone	No effect
Sodium Chloride 20%	No effect

Contact CoverTec for specific advice on chemicals not shown above.

Test Data

Solids by weight	48%
VOC	<50 g/L
Flexibility (Conical Bend) ASTM D522	32 % Elongation Resistance to cracking <1/8" diameter
Impact resistance ASTM D2794	20in-lbs
Pencil Hardness ASTM D3363	Gouge: 4H Scratch: H
Abrasion resistance ASTM4060-90 CS17 1,000 cycles)	15 mg loss
Thermal shock ASTM D2246 16 Cycles	Pass
Adhesion ASTM D4541	350 psi (2.4 MPa)

Application Properties

Application temperature	50 to 95°F (10 to 35°C)
Pot life	1.5 hours at 75°F (24°C) and 50% RH
Drying time	12 hours at 75°F (24°C)
Foot traffic	12 hours at 75°F (24°C)
Heavy Traffic	48 hours at 75°F (24°C)

Approved Surfaces: VCT, Vinyl Plank, Sheet Vinyl, PVC, Luxury Vinyl, Linoleum, Marmoleum, Vinyl Asbestos Tile, Concrete, Wood, Terrazzo, Natural Stone, Epoxy and Urethane

Surface Preparation

Vinyl Composition Tile/ Terrazzo/ Rubber flooring

Pre-sweep or dust mop all areas and remove gum, tar, glue, etc, from the floor. Apply VCT stripper. Allow time for the stripper to begin to breakdown oils and soiling. Scrub away the old wax, stains, and ground in soiling with the appropriate stripping pad or brush and scrubber. Extract and rinse away or wipe up the stripper residue. Allow the floor to dry for 4 hours. Circulate air during this drying process using a fan air blower. **The floor must be cleaned and rinsed thoroughly to ensure that it is pH neutral. Use a microfiber mop to pick up all dust and dirt.**

Concrete

The surface being coated must be fully cured 28 days, structurally sound (200psi or greater according to ASTM D4541), clean (ASTM D4258), and dry (less than 5%, ASTM D4263). It must have low moisture-vapor transmission (6 lbs/1,000 ft ²/24 h (or 15 g/m²/24 h) or lower). Profile surface according to ICRI Guide 03732 to a minimum of CSP 3 by abrasive blasting or hydroblasting. Remove contaminants before blasting.

Mixing

Stir Part A separately for 1 minute until it is smooth and uniform color and consistency. Add Part B side to the Part A and slowly mix for another 2 minutes. After the 2 minute mixing time add the Reducer (4.0 fl oz/gal). The Reducer should be added while slowly mixing the product. Once the Reducer is mixed in, the product is ready to use.

Use all mixed product within 90 minutes. Mixed product should NEVER be stored in a closed container.

Application

Pour the mixed material into a roller tray. **Do not dip from a narrow container.** Apply no more than 2 gallons at a time. Use a non-shed 1/4 nap roller. Use Hot Dog rollers for the edges. Do not starve the roller of product cover 12 to 16 sq ft per dip. The product is self leveling so do not roll too hard. Let the weight roller smooth out the material. Overlap and maintain wet edge (white). Allow for frequent changes of roller and roller tray. Do not mix new and old material in the same roller tray. Roll out any lines before moving on to the next section.

For best results make sure the room is well lit. Use floor lights if necessary. This will help avoid missed spots when applying a clear sealer.

Dry Time

Approx. 12 hours, depending on the thickness of the application, the temperature and the relative humidity in the room.

Recoating

A single coat is usually sufficient for VinylGuard. If you need a second coat then lightly sand the entire base-coat surface and clean with a slightly damp cloth to pick up the dust. Allow to dry and apply VinylGuard.

Clean Up

Clean all equipment with water immediately after use. Clean splatters or spills with CT-12 Thinner before material dries. Once cured, the product will require sanding or chemical removal using CT-30.

Limitations

Do not apply at thicknesses above 10 mils (0.25mm) per coat.

Do not roll product too hard.

Do not apply on wet substrates or, at temperatures below 50°F (10°C), above 98°F (37°C) or within 5°F (3°C) of the dew point.

Do not let this product freeze.

Use Chair slides or felts as protective bottoms as part of the system.

Datasheet Validity

Please check this datasheet 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.