

Coval Vinyl eliminates stripping and waxing for a beautiful floor.

I. PRODUCT DESCRIPTION

Coval Vinyl is a single component, thin film, chemical and scratch resistant coating for vinyl flooring products. It is designed as a topcoat over Vinyl Primer, or directly to vinyl flooring products.

II. RECOMMENDED USES

- A. Vinyl Composition Tile (VCT)
- B. Luxury Vinyl Tile (LVT)
- C. Vinyl Plank
- D. Seamless Vinyl Floors
- E. Vinyl Cove Base

CAUTION: Coval Coatings are professional grade coatings and should only be applied by experienced professionals. Coval Vinyl is a completely new kind of hybrid crosslinking coating. The extreme crosslinking is the science that allows the coating to be so hard and durable, yet so thin. As it cures, the technology creates a high surface tension which in turn gives the coating extreme hardness. The best practice is to apply enough coating to “wet-out” the surface and leave it to dry. Do not exceed 100-125 microns, wet film thickness.

III. PRODUCT CHARACTERISTICS

A. PROPERTIES

- 1. Color: Clear, or clear to slight amber (depending on temperature and humidity). Always dries clear.
- 2. Finish: Semi-Gloss 40-60% - one coat, Glossy 60-80% - two coats
- 3. Vehicle Type: Solvent Base
- 4. Flash Point: (C Penskey-Martens closed cup) -9°C/15°F VOC: Less than 100 g/L
- 5. Weight/Gallon: .9 kg/L
- 6. Non-breathable

B. DRY TIME

Dry Time: (@ 25°C, 50% RH): Temperature, humidity, and film thickness dependent. (The higher the humidity, the faster the dry time).

- 1. Touch Dry: 2-3 hours
- 2. Walk on: 8-12 hours
- 3. Full Cure: 7 days

C. SPREAD RATE PER COAT (recommended)

Wet microns: 100-125 microns
Dry microns: 0.8-0.15 microns

D. COVERAGE

8 m²/L (approximate)

V. APPLICATION INSTRUCTIONS

A. SURFACE PREPARATION

- 1. Floor should be properly stripped and fully dry.
- 2. Allow floor with primer on it to cure a full two hours.

B. SURFACE OPTIONS

1. VCT floors

- a. Apply two coats of Vinyl Primer to the tile with a microfiber mop and allow it to cure for two hours. Apply in the same way as a standard floor finish. Each coat takes 20-30 minutes to dry.
- b. Or, for a sealed surface with lower gloss apply Coval Vinyl with an acetone/alcohol proof pump sprayer directly to the VCT tile without primer.
- c. The advantage of using the primer is to create a slightly thicker coating and achieve a higher gloss.

2. Vinyl Plank or other vinyl floor types

- a. Apply the coating directly to the surface with an acetone/alcohol proof pump sprayer.
- b. These products already have a factory sealer applied to them so will not require the Vinyl Primer.

3. Vinyl Cove Base

- a. Coval Vinyl bonds with vinyl cove base, and it is recommended to clean and seal it during the floor application.
- b. This yields a high gloss and easy to clean cove base for the life of the floor.

4. All Surfaces

- a. Coval Vinyl must be applied with an acetone/alcohol proof pump sprayer with either a hollow cone or fan spray tip.
- b. The hollow cone tips are TeeJet TXVK-8 or TXVK-12 and the red fan tip is TeeJet F110-04 available at www.sprayerdepot.com.
- c. With either method of application, always mask or shield off any adjacent surfaces to keep them free of overspray.
- d. **WARNING:** There must be positive fresh air and exhaust when applying indoors and make certain there is no possible ignition source, such as a pilot light.
- e. The odor of the solvent will dissipate quickly after the application when doors and windows can stay open for at least two hours after application.

- f. To start spraying, hold the tip square to the surface being coated at 30cm - 40cm above the floor.
- g. Apply no more than 100-125 microns wet film spraying back and forth with a 10 percent overlap pattern.
- h. This product should spray on evenly and never allow puddling.
- i. Be careful not to apply too thick or allow the product to puddle as this will cause too much surface tension and can bend loose tiles.
- j. Do not apply a second coat unless there is a flaw in the application of the first coat.
- k. If a second coat is necessary, wait 24 hours for the surface to dry.

C. TEST AREA

- a. It is always best to spray on a few mock-ups to become familiar with applying Coval Vinyl before spraying a finished project.
- b. When using Coval Vinyl for the first time, clean the area, then test it on a small, inconspicuous spot to ensure adhesion and determine that the desired look is achieved

D. MOVE

- a. Do not exceed 15 minutes of wet-edge exposure.
- b. During application, quickly refill the sprayer and return to spraying the coating on the wet edge within 15 minutes.
- c. Be prepared with Coval Vinyl ready to refill a sprayer.
- d. For larger jobs use the Coval Pump System or multiple applicators to maintain the wet edge.

E. INTERRUPTION OF WORK

- a. It is advisable to stop application on a grout joint or any other obvious marker so the applicator can begin where the application had previously ceased.
- b. If tape and paper is used to separate floor areas, immediately remove tape before the coating dries or it will be sealed to the vinyl.
- c. If an area becomes damaged, re-abrade the area using a 220-grit sanding screen on a floor maintainer and re-apply over the area.
- d. Prevent any traffic on the vinyl for a minimum of 5 hours.

IV. CLEAN UP

- A. Clean tools and flush equipment thoroughly with acetone (twice) immediately after application is completed and before product dries.
- B. Remove spray tips and soak in acetone.
- C. IMPORTANT - once coating is dry the tools will not clean up with acetone or any other solvent.

V. CARE AND MAINTENANCE

- A. Clean with a mop using a neutral pH, mild detergent, then rinse with water.
- B. On large commercial type floors, an auto scrubber can be driven over the surface in wash mode only with a mild cleaning agent.
- C. A soft, non-abrasive pad may be used to buff the floor for a shiny finish.
- D. Wax coating is no longer necessary.
- E. If an area becomes damaged, re-abrade the space using 220 grit sandpaper on a floor machine and re-apply over the area.
- F. Prevent any traffic on the area for a minimum of 8 hours after application.
- G. Keep moisture off repaired area and allow curing for 7 full days.

VII. STORAGE

If excess coating remains in a container, Coval recommends the following:

- A. Put a nitrogen blanket on top of the remaining liquid in the container, OR
- B. Move the remaining coating to a smaller container with as little air/oxygen in the container as possible.
- C. Store in a cool, dry location. Do not store solvent-based products in the sun or in a sun-heated vehicle as overly heated product can turn dark in color and remain tinted when applied. The coating should be very thin and clear. If it has changed viscosity and/or color, then that coating has expired (oxidized) and should not be used.

VII. SAFETY AND ENVIRONMENTAL

- A. Indoors, turn off and extinguish all pilot lights or open flames in the building.
- B. Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection, goggles, and PPE.
- C. Fresh air and exhaust should be provided in enclosed work areas. If inhaled, remove affected person to fresh air and call physician immediately if physical difficulties occur.



- D. Wear butyl-rubber gloves and other skin protection to avoid contact. In the event of contact with skin, wash skin thoroughly with soap and water.
- E. Chemical safety goggles or splash shields are required. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes after contact and get medical attention.
- F. If accidentally swallowed, rinse mouth thoroughly and obtain immediate medical attention.
- G. In enclosed areas, make sure to have an observer watching the applicator for any signs of physical distress.
- H. Consult the Safety Data Sheet (SDS) for more information concerning proper Personal Protective Equipment and precautionary measures that are recommended for proper protection while handling this product.

For more information, go to
www.covaltechnologies.com.