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# Coval Vinyl

## Eliminates Stripping and Waxing

### **PRODUCT DESCRIPTION:**

COVAL VINYL is a single component, chemical resistant, and scratch resistant coating for vinyl flooring products. It is designed as a topcoat over existing floor finish to eliminate the need to strip and wax for the life of the floor.

### **RECOMMENDED USES:**

Coval Vinyl coat is a great solution to combat chemicals & scratches on:

- Vinyl Composition Tile (VCT)
- Luxury Vinyl Tile (LVT)
- Epoxy Terrazzo
- Vinyl Plank
- Seamless Vinyl Floors.

### **Thin Film Coatings:**

**CAUTION:** Coval Coatings are professional grade coatings and should only be applied by experienced professionals. Coval has created a completely new kind of hybrid crosslinking coating. This extreme crosslinking is the science that allows the coatings to be so hard and durable, yet so thin. As they cure, the extreme crosslinking 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 2-3 mils, wet film thickness. **MORE IS NOT BETTER.** If you apply the coating too thick, it will attempt to crosslink away from the surface, which may cause fracturing or delamination. Over-applying the coating will either destroy the coating or cause whatever the coating is applied on to peel. Yes, it is amazingly strong.

To achieve a thicker coating, apply in multiple layers rather than applying one ‘thicker’ layer.

Our coatings are specifically designed for the substrate listed in the Data Sheet and should never be applied to substrates not listed.

### **PRODUCT CHARACTERISTICS:**

#### **Testing**

ASTM D-3363 Film Hardness Taper, 39.11 average

ASTM D-2047 Static Coefficient passes ADA requirements\*

E96-10 Water Vapor Transmission, average WVT 0.8053 gr/ft<sup>2</sup>/hr., average perms 1.9406 gr/ft<sup>2</sup>/hr.

G155 Xenon Arc, wavelength 340nm irradiance 1.0 w/m<sup>2</sup> 500 hours, slight change

\*Always obtain independent retest of the static coefficient after applying any coating on walking surface to verify new application meets OSHA requirements.

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All transactions are subject to our Standard Trading Terms and Conditions, a copy of which is available from us or at our website.

## **Spread Rate**

Recommended Spread Rate per coat:

Wet mils: 2.5-3.5

Dry mils: 0.3-0.6

## **Coverage**

Coverage: 350 sq. ft./gal (approximate)

## **Dry Time**

Drying Time: (@ 77 F, 50% RH):

Temperature, humidity, and film thickness dependent. The higher the humidity, the faster the dry time.

Touch: 2-3 hours

Through: 3-5 hours

Walk on: 8 to 12 hours

Full Cure: 7 Days

## **Properties**

Color: Clear to slight amber to rose (depending on temp and humidity) always dries clear.

Finish: Gloss or Satin

Vehicle Type: Solvent Base

Flash Point: (C Penskey-Martens closed Cup) -9C/15F

VOC: Less than 100 g/L

Weight/Gallon: 7.36 lb.

Non-breathable

## **APPLICATION INSTRUCTIONS:**

### **Surface Preparation**

VCT floors should have a minimum of 2 coats of floor finish that are in new condition. If the floor was recently stripped and waxed, burnish the wax to its desired final appearance because it will be permanently sealed.

*Epoxy Terrazzo, Vinyl Plank or other vinyl floor types* - apply the coating directly to the surface.

COVAL VINYL must be applied with an acetone/alcohol proof pump sprayer with a grey Conejet brand or red fan tip. With either method of application, always mask off any adjacent surfaces to keep them free of drips or accidental coating.

**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. The odor of the solvent will dissipate quickly after the application providing that doors and windows can stay open for at least two hours after application.

To start spraying, hold the tip square to the surface being coated at a distance of 10" - 12" off the floor. Apply no more than 3 mils wet film spraying back and forth with a 10 percent overlap pattern. This product should go on thin and never allow puddling. It is always best to spray on a few mockups to get the feel of putting down this product before attempting an actual project.

Be careful not to apply too thick (THIN TO WIN) or allow the product to puddle as this will cause too much surface tension and possibly bend loose tiles.

Do not apply a second coat unless there is a flaw in your application of the first coat. If a second coat is necessary, wait 24 hours for the surface to dry. Abrade the surface with 220 grit sanding screen on a buffing floor machine to allow the second coat to bond. After sanding, mop the floor of dust and reapply a fresh coat.

### **INTERRUPTION OF WORK**

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. 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. 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. Prevent any traffic on the area for a minimum of 5 hours.

### **CLEAN UP**

Clean tools and flush equipment thoroughly with acetone immediately after application is completed and before product dries.

**IMPORTANT** - once coating is dry the tools will not clean up with acetone or any other solvent.

### **CARE and MAINTENANCE**

Clean with a mop using mild detergent then rinse with water.

On large commercial type floors, a floor machine can be driven over the surface in wash mode only with a mild cleaning agent.

A soft, non-abrasive pad may be used to buff the floor for a shiny finish. Wax coating is no longer necessary.

If an area becomes damaged, re-abrade the area using 220 grit sandpaper on a floor machine and re-apply over the area. Prevent any traffic on the area for a minimum of 8 hours. Keep moisture off repaired area and allow curing for 7 full days.

### **STORAGE**

If you have excess coating remaining in a container, we recommend 1) put a nitrogen blanket on the top of the remaining liquid in the container or 2) move the remaining coating to a smaller container with as little air/oxygen in the container as possible. Store in cool dry location. Do not store solvent based products in sun or in 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 you see that it has changed viscosity and/or color then that coating has expired (oxidized) and should not be used.

## **SAFETY and ENVIRONMENTAL**

Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection. 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. 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. 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. If accidentally swallowed, rinse mouth thoroughly and obtain immediate medical attention. (In enclosed areas, make sure to have an observer watching the applicator for any signs of physical distress) 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.