



CoverShield Primer OS

Oil stop primer for oil contaminated concrete floors

Product Description

Primer OS is a solvent based penetrating epoxy primer that exhibits excellent characteristics for coating over petroleum based oil contaminated concrete. This product has been developed to block oil 'bleed back' from oil contaminated concrete substrates and provide a primed surface for subsequent epoxy or polyurethane coating systems. Primer OS is recommended for petroleum oil contamination only. For food based grease fat and oil, use Primer OVS (see separate data sheet).

Features

- Barrier against oil
- Stops oil "bleed back"
- Compatible with a wide range of coating systems
- Can be top coated same day
- Resists petroleum based oil
- Chemical resistant

Main Uses

- Floors
- Pump pads
- Trenches
- Sumps
- Drains

Test Data

Property	Typical Results
Abrasion Resistance C17 wheel, 1000g load 500 cycles	37.0 mg loss
Flexibility	No cracks on a 1/8" mandrel
Viscosity	150-300 cps
Impact resistance Gardner, direct 50in.lb	Passed

Application Properties

Application temperature	60-95°F (16-35°C)
Pot life	2 hours at 77°F (25°C)
Recoat or topcoat window	3 - 12 hours at 77°F (25°C)
Open to foot traffic	12 hour at 77°F (25°C)
Full cure	3 days at 77°F (25°C)
Color	Black

Theoretical Coverage

200 ft²/gal (4.9 m²/L) at 8 mils wet

Actual coverage will depend on wastage and surface profile.

Packaging

2 gallon (7.6 L) kits
10 gallon (38 L) kits

Shelf Life

12 months when stored at below 90°F (32°C) under shade in a dry environment.

Surface Preparation

The substrate must be structurally sound. Loose or unsound concrete should be removed and made good. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. Any cracks or pock marks should be filled with CoverBond PF160 before application of Primer OS.

Cleaning Oil Contaminated Slabs

Clean the slab using CoverClean HC. Wet the floor by misting the surface with water and then immediately apply the CoverClean HC. The cleaner may be applied by either a pump up sprayer spray or medium bristle brush at a rate of 200 to 250ft² per gallon (4.9 to 6.1 m²/L). For heavy duty cleaning apply at a rate of 150 to 200ft² per gallon (3.7 to 4.9 m²/L).

The affected area must be agitated with a stiff brush. This can be manual or with a power scrubber depending on the size of the area being cleaned. The solution temperature must not be allowed to rise above 120°F (48.9°C) or to completely dry out. Water must be present at all times, since this is the source of oxygen for the microbes.

Allow the CoverClean HC to sit for a minimum of 3 hours. Keep wet during this time and agitate one more time, 20 minutes before rinse off. If the product cannot be rinsed to a drain, then use an auto scrubber or similar to wet vac up the liquid.

Allow substrate to dry before applying Primer OS

Moisture Testing

A test should be made to determine that the concrete is dry. This can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist, that may later cause disbonding.

Mixing

Mix Ratio 1:1 by volume.
Condition the material so it is at a minimum temperature of 60°F. Add 1 Part B in to 1 Part A and mix using a slow speed drill and paddle for 4 minutes until both components have fully dispersed and are uniform in color. Be sure to rotate the mixer throughout the pail.

Application

Make certain that the floor temperature and air temperature is between 60 and 90°F. Apply product by 3/8th solvent resistant non shedding roller or brush at 200 ft²/gal (8 mil thickness when wet). Too thick of an application may result in product failure.

Top coat or recoat

Primer Os can be top coated with epoxy and /or urethane systems within the recoat window (3 to 12 hours at 77°F). We recommend 1 coat of Primer HS and 2 coats of CoverShield U270 (see separate data sheets and color chart for color options). If different topcoats are desired, contact CoverTec for application details before proceeding. Proposed intermediate and topcoat selections should be evaluated for adhesion and compatibility. A representative sample patch should be applied for this purpose.

Cement Based Toppings

For cement based toppings, underlayment, thin-set tile mortar, polyurea, etc., it is necessary to double prime and then broadcast sand. Recoat Primer OS with Primer HS within the recoat window (4 to 12 hours at 77°F) then immediately broadcast #50 - #70 sand directly over the Primer HS while wet. If the subsequent cement coating requires a primer over concrete, it should also be used over the sanded surface.

Clean Up

Clean equipment using CT-12 Solvent.

Limitations

Use for petroleum based oil contamination only
Protect from U.V.
Do not use on concrete contaminated with food based grease.
Do not mix the primer with Cab-O-Sil
Will not accommodate movement cracks.
Do not apply on temp below 60°F (16°C).
Minimum material temperature should be 60°F (16°C).
Avoid excessive application.
Avoid skin contact.
Do not discard into the water system.

Health and Safety

Before using this product consult the Material Safety Data Sheet (MSDS). The MSDS can be obtained at www.covertecproducts.com

Limited Warranty

This product is warranted to be of good quality and that it complies with the properties shown in the current datasheet. CoverTec will replace or, at our election, refund the purchase price of the product if proven defective when used according to the instructions in the current datasheet. Any suspected defect must be reported to CoverTec in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. 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 and explicitly excludes liability for consequential damages, down time, or delay.**