

# CorrBarrier™ Primer

## DESCRIPTION

CorrBarrier™ is a fast drying, water-based PVC one coat system (primer) that provides protection in harsh, outdoor, unsheltered applications when topcoated. The complex mixture of non-toxic, organic inhibitors offers protection that competes with most paints and zinc-rich primers. Provides multi-metal protection. Product is often used as vehicle undercoat/ under the hood applications.

## PACKAGING & STORAGE

CorrBarrier™ is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk. Keep product from freezing.

Product shelf life is 1 year.



## CHARACTERISTICS/TECHNICAL DATA

Volume Solids	44.30%
Gloss (ASTM D532)	15-25
VOCs (ASTM D3960)	0.2 lbs/gal (24 g/l)
Viscosity	5,000-10,000 Centipoise
Pencil Hardness (ASTM D3363)	F
Spreading Rate	710 sq.ft/gal @ 1.0 mils DFT (17.4 sq.m/l @25 µm)
Weight per Gallon	10.38 lbs/gal (1.25 kg/l)
Flash Point	>200°F (93°C)
Recommended DFT	2.0-3.0 mils (50-75 µm)
Recommended WFT	4.5-6.7 mils (112.5-167.5 µm)
Dry to Touch	20-30 min
Dry to Handle	1 hr
Recoat Time	NA
Force Dry	15-20 min @ 150°F (65°C)
Full Cure	3-7 days
Salt Spray (ASTM B117)	500 hrs
Humidity (ASTM D1748)	500 hrs
Adhesion (ASTM D3359)	5B
Flexibility (ASTM D522)	1/2" mandrel (1.27cm)

\*All tests performed after a 7 day cure at ambient temperature

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## APPLICATION

### Surface Preparation

Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, rust inhibitors, or any other surface contamination that could affect adhesion. For production line applications, use VpCI®-440 or similar phosphatizing pre-treatment. For structural steel applications, Cortec® recommends a minimum of a NACE #3/SSPC-SP6 commercial blast clean. Consult Cortec® and/or test system adhesion prior to full scale application.

A wash primer such as VpCI®-373 green applied at 0.5-1.0 mils (12.5-25 microns) is recommended before applying the CorrBarrier™ to aluminum, galvanized or plated substrates. When solvent based topcoats are applied over CorrBarrier™, compatibility must be checked. All Cortec® High Performance Coatings can be topcoated over CorrBarrier™.

*Note: Make sure dew point is more than 5°F (2°C) less than air temperature for application. Power agitate to a uniform consistency using a "squirrel cage" type mixer, hand-held drill mixer, or other equivalent method. CorrBarrier™ can be applied by spray, roll, brush, or dip.*

### Typical Equipment Setups

#### HVLP / Conventional Spray

- Tip .009"-.021" \*dependent upon pressures and viscosity
- Air Pressure 45-55 psi
- Fluid Pressure 10 psi
- Fluid hose should be 3/8" (0.95 cm) I.D. with a maximum length of 50 feet (15.2 m). Pot should always have dual regulation and be kept at same elevation as spray gun.

#### Air Assisted Airless / Airless

- Tip .015"-.035" \*dependent upon pressures and viscosity
- Pressure 1800-2500 psi
- Hose should be 3/8" (0.95 cm) I.D. minimum, but a 1/4" (0.64 cm) I.D. whip end section may be used for ease of application. A maximum length of 100 feet (30.5 m) is suggested.

### Cleanup

Clean tools/equipment immediately after use with water when coating is still wet. When dry, use Butyl Cellusolve or MEK. Follow mfg's safety recommendations when using any solvent.

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