



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

CorrVerter® Rust Converter Primer

DESCRIPTION

CorrVerter® is a fast drying, water-based one-coat system (primer) that converts rusted surfaces to a hydrophobic passive layer and prevents further rusting thru the unique formulation of chelating agents and PVDC resins.

UFI: FM30-30MW-500H-F6AX

PACKAGING & STORAGE

CorrVerter® is available in 1 gallon (3.8 L) and 5 gallon (19 L) pails. Keep product from freezing.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 1 year



CHARACTERISTICS/TECHNICAL DATA

Volume Solids	34.50% +/- 2%
Gloss (ASTM D532)	15-25
VOCs (ASTM D3960)	0.1 lbs/gal (12 g/L)
Viscosity	7,000-20,000 Centipoise
Pencil Hardness (ASTM D3363)	F
Spreading Rate	553 sq.ft/gal @ 1.0 mils DFT (13.57 sq.m/L @25 µm)
Weight per Gallon	11.59 lbs/gal (1.39 kg/L)
Flash Point	>200 °F (93 °C)
Recommended DFT	3.0-5.0 mils (75-125 µm)
Recommended WFT	8.7-14.5 mils (217.5-362.5 µm)
Dry to Touch	2-3 hrs
Dry to Handle	4-6 hrs
Recoat Time	Dry to touch - 72 hrs
Force Dry	15-20 min @ 150 °F (65 °C)
Full Cure	3-7 days
Salt Spray (ASTM B117)	500 hrs
Humidity (ASTM D1748)	250 hrs
Adhesion (ASTM D3359)	5B
Flexibility (ASTM D522)	½" mandrel (1.27 cm)

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

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APPLICATION

Surface Preparation

Substrate should be free of loose rust, grease, oil, dirt, fingerprints, drawing compounds, rust inhibitors (except Cortec® approved), or any other surface contamination that could affect adhesion. Consult Cortec® Technical Service and/or test system adhesion prior to full scale application. It is recommended to remove any loose rust prior to application.

When solvent based topcoats are applied over CorrVerter®, compatibility must be checked. All Cortec® High Performance Coatings can be topcoated over CorrVerter®.

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. Can be diluted up to 15% with water. CorrVerter® can be applied by spray, roll, brush, or dip.

Typical Equipment Setups

HVLP / Conventional Spray

- Tip 0.02"-0.11" (0.5-2.8 mm)* 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). 1/4" (0.64 cm) I.D. fluid hose can be used, but pressures may need to be adjusted. Pot should always have dual regulation and be kept at same elevation as spray gun.

Air Assisted Airless / Airless

- Tip 0.015"-0.035" (0.38-0.89 mm)* 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 paint is still wet. When dry, use butyl cellulose or MEK. Follow mfg's safety recommendations when using any solvent.

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