



CorrVerter®

DESCRIPTION

CorrVerter® is a fast drying, water-based, one-coat primer that converts rusted surfaces to a hydrophobic passive layer, preventing further rusting through its unique formulation. The advantage of CorrVerter® is its ability to minimize surface preparation while ensuring a consistent surface for top coating.

FEATURES

- Water-based, non-flammable formula
- Easily applied by brush, spray, roller, or dip methods
- Convenient alternative to sandblasting

TYPICAL PROPERTIES*

| | |
|------------------------------|--|
| Volume Solids | 36.0% |
| Gloss (ASTM D523) | 4-10 |
| VOC (ASTM D3960) | 0.1 lbs/gal (12 g/L) |
| Viscosity | 900-2000 cPs |
| Pencil Hardness (ASTM D3363) | F |
| Spreading Rate | 577.9 ft ² /gal @ 1.0 mils DFT (14.2 m ² /L @ 25 µm) |
| Weight per Gallon | 11.5 lbs/gal (1.38 kg/L) |
| Flash Point | >200°F (>93°C) |
| Recommended DFT | 3.0-5.0 mils (76-127 µm) |
| Recommended WFT | 8.3-13.9 mils (210-353 µm) |
| Dry to Touch | 2-3 hours |
| Dry to Handle | 4-6 hours |
| Recoat Time | >6 hours, dry-to-handle |
| Force Dry | 15-20 min @ 150°F (65°C) |
| Full Cure | 3-7 days |
| Salt Fog (ASTM B117) | 336 hours* |
| Humidity (ASTM D1735) | 250 hours |
| Adhesion (ASTM D3359) | 5B |
| Flexibility (ASTM D522) | ½" mandrel (1.27 cm) |

*Testing performed as follows: 3 mil DFT of CorrVerter® applied to lightly corroded steel panels and cured for 24 hours, then top coated with 2 mil DFT of VpCI®-386 White and cured for 7 days. The panels were then exposed to ASTM B117 conditions and evaluated for corrosion bleed-through and blistering.

PACKAGING & STORAGE

CorrVerter® is available in 1 gallon (3.8 L) and 5 gallon (19 L) pails. Contact Cortec® Customer Service for pricing and availability.

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

Shelf life: 1 year

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 top coated over CorrVerter®.

Note: Make sure dew point is more than 5°F (2°C) below air temperature for application. Agitate to a uniform consistency using a "squirrel cage" type power mixer, hand-held drill mixer, or other equivalent method. CorrVerter® can be diluted up to 15% with water. Apply 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); however, if application requires 1/4" (0.64 cm) I.D. fluid hose, pressures may need to be adjusted
- Pot should always have dual regulation and remain 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, with a suggested maximum length of 100 feet (30.5 m)

CLEANUP

Clean tools and equipment with water immediately after use, while paint is still wet. When dry, use a solvent-based paint stripper. Always follow manufacturer safety recommendations when using any solvent.

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