

CorShield® VpCI®-368 D Solvent Based Temporary Coating

DESCRIPTION

CorShield® VpCI®-368 D is a solvent-based temporary waxlike coating that provides protection in harsh, outdoor, unsheltered applications yet is removable with alkaline cleaners such as VpCI®-414. Provides multi-metal protection.

Also available as VpCI®-368 M, a military qualified version that meets MIL-PRF-16173 E (Grade 1).

UFI: PP50-806E-H00D-ADAG

PACKAGING & STORAGE

CorShield® VpCI®-368 D is available in 5 gallon (19 L) pails, 55 gallon (208 L) metal drums, liquid totes, and bulk.

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

Shelf life: 2 years



CHARACTERISTICS/TECHNICAL DATA

Volume Solids	46 +/- 3%
Gloss (ASTM D523)	NA
VOCs (ASTM D3960)	3.8 lbs/gal (464 g/L)
Viscosity	50-60 sec+ Zahn#2
Pencil Hardness (ASTM D3363)	NA
Spreading Rate	738 ft ² /gal @ 1.0 mils DFT (18 m ² /L @ 25 µm)
Weight per Gallon	7.51 lbs/gal (0.90 kg/L)
Flash Point	143 °F (62 °C)
Recommended DFT	2.0-3.0 mils (50-75 µm)
Recommended WFT	4.3-6.5 mils (110-165 µm)
Dry to Touch	5-7 hours (without forced air or heat)
Full Cure	3-7 days
Salt Spray (ASTM B117)	168 hrs
Humidity (ASTM D1748)	2500 hrs
Adhesion (ASTM D3359)	NA

All tests performed after a 7 day cure at ambient temperature

APPLICATION

Surface Preparation

Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, rust inhibitors (except Cortec® approved), or any other surface contamination that could affect adhesion. Cortec® recommends a minimum of SSPC-SP1 over painted surfaces. For bare metal applications, Cortec® recommends a minimum surface preparation

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of SSPC-SP2 or, for best results, NACE #3/SSPC-SP6. Consult Cortec® Technical Service and/or test system adhesion prior to full scale application.

Power agitate to a uniform consistency using a “squirrel cage” type mixer, hand-held drill mixer, or other equivalent method. CorShield® VpCI®-368 D 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 butyl acetate when coating is still wet. When dry, use butyl cello-solve or MEK. Follow mfg's safety recommendations when using any solvent.

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