

CorShield® VpCI®-368 Open Atmosphere Temporary Coating

DESCRIPTION

CorShield® VpCI®-368 is a fast drying, solvent-based temporary wax-like coating that provides protection in harsh, outdoor, unsheltered applications yet is easily removed with alkaline cleaners such as VpCI®-414. Provides multi-metal protection. Can be matched to some custom colors.

Commercial equivalent to MIL-PRF - 16173E (Grades 1 & 2); NATO 6850-66-132-5848, 6099; NSN 8030-00-062-6950, 231-2345, 244-1300, 470-2601.

UFI: K250-Q0CN-C00X-P081

PACKAGING & STORAGE

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

CorShield® VpCI®-368 is also available in 11 oz. (312 g) aerosol cans.

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	52.30%
Gloss (ASTM D532)	NA
VOCs (ASTM D3960)	2.9 lbs/gal (347 g/L)
Viscosity	60-70 sec+ Zahn#3
Pencil Hardness (ASTM D3363)	NA
Spreading Rate	838 sq.ft./gal @ 1.0 mils DFT (20.5 sq.m/L @ 25 µm)
Weight per Gallon	7.63 lbs/gal (0.91 kg/L)
Flash Point	158 °F (70 °C)
Recommended DFT	2.0-3.0 mils (50-75 µm)
Recommended WFT	4.0-6.0 mils (100-150 µm)
Dry to Touch	30 min
Dry to Handle	60 min
Recoat Time	NA
Force Dry	15-20 min @ 150 °F (65 °C)
Full Cure	3-7 days
Salt Spray (ASTM B117)	1500 hrs
Humidity (ASTM D1748)	2500 hrs
Adhesion (ASTM D3359)	NA
Flexibility (ASTM D522)	½" mandrel (1.27 cm)

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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 a SSPC-SP1 over painted surfaces. For bare metal applications, Cortec® recommends a 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 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.

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

Cleanup

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



LIMITED WARRANTY

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Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

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