



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

VpCI®-369 D Oil Based Temporary Coating

DESCRIPTION

VpCI®-369 D is an oil-based temporary coating that provides protection in harsh, outdoor, sheltered applications. Provides multi-metal protection. Excellent lubricity. Can be matched to some custom colors.

NSN 8030-00-244-1295, 244-1297, 244-1298, 01-149-1731

UFI: RQ60-A0G6-600A-8GA8

PACKAGING & STORAGE

VpCI®-369 D is available in 5 gallon (19 L) pails, 55 gallon (208 L) metal drums, liquid totes, and bulk.

VpCI®-369 is also available in a 1:1 dilution with naphthenic process oil for a higher concentration of active product.

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	94%
Gloss (ASTM D523)	NA
VOCs (ASTM D3960)	0
Viscosity	35-40 sec #2 Zahn Cup, 80 CPS @ 20C
Pencil Hardness (ASTM D3363)	NA
Spreading Rate	1508 ft ² /gal @ 1.0 mils DFT (36.9 m ² /L @ 25 µm)
Weight per Gallon	7.65 lbs/gal (0.91 kg/L)
Flash Point	294.8 °F (146 °C)
Recommended DFT	1.0-3.0 mils (25-75 µm)
Recommended WFT	1.0-3.0 mils (25-75 µm)
Dry to Touch	NA
Dry to Handle	NA
Recoat Time	NA
Force Dry	NA
Full Cure	NA
Salt Spray (ASTM B117)	100 hrs
Humidity (ASTM D1748)	1000 hrs
Adhesion (ASTM D3359)	NA
Flexibility (ASTM D522)	½" mandrel (1.27 cm)

All tests performed after a 7 day cure at ambient temperature

The above characteristics were measured using the product with standard dilution

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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. 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® Technical Service and/or test system adhesion prior to full scale application.

Note: Power agitate to a uniform consistency using a "squirrel cage" type mixer, hand-held drill mixer, or other equivalent method. VpCI®-369 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). 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 paint is still wet. When dry, use butyl cellosolve or MEK. Follow mfg's safety recommendations when using any solvent.

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