



HIGH PERFORMANCE VpCI™ COATINGS

VpCI®-368

PRODUCT DESCRIPTION

VpCI-368 is a time-proven coating that provides excellent protection to metal substrates exposed to harsh outdoor conditions. VpCI-368 leaves a firm, wax-like film that can be removed by mineral spirits or alkaline cleaners such as Cortec® VpCI-414.

FEATURES

- Flexible
- Excellent salt spray protection
- Excellent outdoor protection
- Multimetal protection
- Excellent UV resistance
- Moisture displacing
- Cured film is heat stable up to 392°F (200°C)
- Conforms to MIL-PRF-16173E (Grades 1 and 2)
- NATO 6850-66-132-5848
- NATO 6850-66-132-6099
- NSN 8030-00-062-6950
- NSN 8030-00-231-2345
- NSN 8030-00-244-1300
- NSN 8030-01-470-2601

TYPICAL APPLICATIONS

- Pipe coating
- Parts storage
- Underbody coating
- Wire rope
- Steel plate
- Machined parts

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Copper
- Aluminum
- Cast Iron

PROTECTION PROPERTIES

	ASTM	DFT	Carbon Steel (1010)
Salt Spray	B-117	2-3 mils (50-75 microns)	900-1500 hr.
Prohesion	G-85	4-7 mils (100-175 microns)	2000 hr.
Humidity	D-1748	2-3 mils (50-75 microns)	2500+ hr.

APPLICATION

VpCI-368 may be applied by brushing or spraying. A film thickness of at least 2-3 mils (50-70 microns) is recommended for uncovered outdoor storage.

Surface Preparation:

NACE	SSPC	ARS
3 or 4	6 or 7	High B-2

Product Cleanup:

- Use solvents or mineral spirits for cleanup of equipment.
- Solvent, wax strippers, or alkaline cleaners such as VpCI-414 can be used for clean up of overspray.

TYPICAL PROPERTIES

Appearance	Dark brown viscous liquid
Coverage	300-330 ft ² /gal @ 3 mils (7-8 m ² /l @ 75 microns)
Dry Film Time	12-24 hours
Drying to Touch Time	0.5-3 hours
Film Type	Firm, wax-like
Removal Method	Petroleum solvents
Carrier	Mineral spirits
Shelf Life	24 months @ 75°F (24°C)
Non-volatile Content	57-62%
Viscosity at 23°C	600-5,000 cps (6 rpm) Spindle #2
VOC	2.9-3.1 lb/gal (347-372 g/l)
Density	7.4-7.7 lb/gal (0.89-0.92 kg/l)

Note: Coating dry time is affected by temperature, air-flow and humidity.

PACKAGING AND STORAGE

VpCI-368 is available in 5 gallon (19 liter) steel pails, 55 gallon (208 liter) metal drums, totes, and bulk.

Available as CorShield® VpCI-368 in 11 oz. (312 g) aerosol cans.



RECOMMENDED SPRAY EQUIPMENT

This information is based on spraying VpCI-368 at 3 parts concentrate to 1 part mineral spirits. A ready-to-use version of VpCI-368 is also available. The viscosity range is between 100-1,000 cps. If using a dilution other than this, please consult a Cortec or Graco representative.

Model	510 Airless/AA Plus
Pump	30:1 President
Tip	0.011-0.015 in (0.028-0.038 cm)
Cap	Standard
Filter	60 Mesh High Pressure
Air Pressure	80 psi
Fluid Hose	3/8" x 10' with 1/4" whip hose for ease of handling
Fluid Pressure (Supply/Gun)	2000/1700 psi (138/117 bar)

The minimum fluid atomization pressure required is 1500 psi (103 bar), which gives 2-4 mils (50-100 microns) WFT/pass.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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