

VpCI®-368 M

PRODUCT DESCRIPTION

VpCI-368 M is the ready-to-use version of VpCI-368 liquid that qualified to MIL-PRF-16173 E(Grade 1). VpCI-368 M provides excellent protection to metal substrates exposed to harsh outdoor conditions. VpCI-368 M leaves a firm, wax-like film that can be removed by wax strippers/alkaline cleaners such as Cortec® VpCI-414 or mineral spirits.

FEATURES

- Flexible
- Excellent outdoor protection
- Multimetal protection
- Excellent UV resistance
- Moisture displacing
- Cured film is heat stable up to 392°F (200°C)
- Qualified to MIL-PRF-16173E (Grades 1)
- NSN 8030-01-430-4898
- QPL 4620-1535(1)

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.

APPLICATION

VpCI-368 M may be applied by dipping, 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.

RECOMMENDED SPRAY EQUIPMENT

This information is based on spraying VpCI-368 M. The viscosity range is between 200-1,000 cps. If using a dilution other than this, please consult a Cortec representative.

Model	510/AA Plus or Airless
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.



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
Shelf Life	24 months @ 75°F (24°C)
Non-volatile Content	55-65%
VOC	2.6-2.9 lb/gal (312-347 g/l)
Density	7.1-7.5 lb/gal (0.86-0.90 kg/l)

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

PACKAGING AND STORAGE

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

VpCI-368 M is referenced in the following publications:

- TO 1-1-691
- TO 1-1-686
- TO 1H-60(H) G-23
- TO 1C-5A-23
- TO 1C-17A-23
- TO 1C-130A-23
- TO 1-1-689-5
- TO 1-1-689-3
- TO 42B-1-6
- TO 35-1-3
- TM 55-1500-331-34
- TM 1-1500-334-23-5
- TM 1-1500-334-23-3
- NAVAIR 15-01-4
- NAVAIR 01-1A-509-3
- NAVAIR 01-1A-509-5

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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