



MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCL®

VpCl®-371



PRODUCT DESCRIPTION

VpCl®-371 is a high temperature aluminum solvent-borne silicone coating that provides excellent corrosion resistance on metal substrates. VpCl®-371 will dry tack free at room temperature in about 20 minutes to 5B hardness. After the coating has been heated it will have a 9H hardness.

FEATURES

- Heat stability to 1200°F (648.89°C)
- 600 hour salt spray resistance
- 9H pencil hardness
- 200 double rub MEK resistance with no effect
- Brilliant aluminum appearance
- No hard settling of aluminum
- Heat resistance from 400-1200°F (204-649°C) for a prolonged period
- Low VOC

TYPICAL APPLICATIONS

- Automotive industry
- Power generation
- Aviation
- Off shore drilling, etc.

VpCl®-371 should be thoroughly mixed prior to use.
Apply by spray or dip.

TYPICAL PROPERTIES

Appearance	Aluminum liquid
Dry time (tack-free)	20 min. at 0.5-1.0 mil (25 to 50 microns)
Pencil hardness	5B - Ambient Cure 9H - Cured @ 500°F (260°C)
MEK Resistance	200 Double Rubs - After heating
Density	8.4-8.8 lb/gal (1.01-1.06 kg/l)
Solids Wt.	52-56%
Solids Volume	44-57%
Viscosity	150-400 cps at 6 RPM
VOC (Regulatory)	3.3-3.6 lbs/gal (395.4-431.4 g/l)
VOC (Actual)	2.5-2.8 lbs/gal (229.6-335.5 g/l)

STANDARD TEST METHODS

ASTM B-117	Salt Spray
ASTM D-1748	Humidity
ASTM D-3359	Adhesion
ASTM D-522	Flexibility
ASTM D-532	Gloss
ASTM D-3960	VOC
ASTM D-3363	Pencil Hardness
ASTM D-2485-91	High Temperature Service (Method A and B)
NACE RP0487-2000	Selection of Rust Preventives
NACE	Minimum Surface Preparation Guideline
SSPC	Minimum Surface Preparation Guideline

TESTS

Passes:

- ASTM D-2485-91: Standard Test Methods for evaluating coatings for High Temperature Service
- (Method A and B)

PACKAGING

VpCI®-371 is available in 5 gallon (19 liter) metal pails and 55 gallon (208 liter) metal drums. Keep this package from freezing.

**FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE
INFORMATION**

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