MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCI®

VpCI®-371

PRODUCT DESCRIPTION

VpCI®-371 is a high temperature aluminum solvent-borne silicone coating that provides excellent corrosion resistance on metal substrates. VpCI®-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.

VpCI®-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

CORTEC CORPORATION
Environmentally Safe VpCI®/MCI® Technologies

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

Distributed by:

CORTEC CORPORATION
Environmentally Safe VpCI®/MCI® Technologies

4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
http://www.cortecvci.com
http://corteccoatings.com/

Printed on recycled paper 100% post consumer