



VpCI®-389/VpCI®-389 D



PRODUCT DESCRIPTION

VpCI-389 is a water-based, temporary coating which provides excellent protection for outside applications and salt-spray resistance. VpCI-389 is an environmentally friendly replacement to oil-based products.

VpCI-389 is an excellent choice for long-term indoor protection (up to 5 years*) and short to medium-term (6-24 months*) unsheltered outdoor protection. This product cures to a soft film and eventually hardens. VpCI-389 can be easily removed with alkaline cleaners, such as Cortec® VpCI-414.

*Depends on conditions and/or film thickness

FEATURES

- Multimetal protection
- Safe and easy to use
- Environmentally friendly
- Available in ready-to-use form - VpCI-389 D (1:1)
- Works in SO₂ and H₂S environments

METALS PROTECTED

- Aluminum
- Steels
- Cast iron
- Copper and alloys
- Tin

TYPICAL APPLICATIONS

- Equipment lay-up
- Parts processing protection
- Overseas shipping
- Maintenance repairs
- Parts storage

PROPERTIES

	VpCI-389	VpCI-389 D
Appearance	Liquid, various colors	
Non-Volatile Content	35-40%	17-22%
Density	7.9-8.4 lb/gal (0.95-1.01 kg/l)	7.8-8.4 lb/gal (0.94-1.01 kg/l)
pH	8.7-10 (neat)	8.7-9.8 (neat)
VOC (actual)	.22 lb/gal (25.84 g/l)	0.11 lb/gal (12.92 g/l)
Dry to Recoat Time	30-90 minutes	
Dry to Tacky Time	10-60 minutes	
Dry to Cure Time	1-3 hours	
Film Type	Soft, tacky	
Shelf Life	12 months at 75°F (24°C)	
Theoretical Spread Rate	187-561 ft ² /gal at 1-2 milS (7-14 m ² /l at 25-50 microns)	

APPLICATION

Surface Preparation:

The surface must be equivalent to ARS. Low A-3 and higher or SSPCs SPs 1, 2, 3, 5, 6, and 10. The recommended film thickness range is 1-2 mils (25-50 microns).

Product Preparation:

Can be diluted with water for sprayability/application purposes; most working ranges are between 1:1 to 1:8 (VpCI-389:Water).

Product Application:

Mix VpCI-389 prior to use. VpCI-389 can be applied by spray, brush, roll, or dip. Normal WFT of 3-6-mils (75-150 microns) yields 1-2-mils (25-50 microns) DFT.

Airless Spray:

Pressure	2000 psi (140 bar)
Filter	60 mesh
Tip	0.015" (0.038 cm)
Dilution	0-50%



Conventional:

Equipment	Binks 18 gun or equivalent
Automatization pressure	40 psi (3 bar)
Fluid pressure	20 psi (1 bar)
Cap/Tip	66/S
Dilution	10-50%

Brush	Nylon/polyester or nylon (dilution 0-50%)
Roller	Polyester knitted (dilution 0-50%)
Dip	See Cortec Application Notes "Dipping" (dilution 2:1 to 1:5)

Product Cleanup:

Use water to clean up tools and overspray.

PACKAGING AND STORAGE

VpCI-389 and VpCI-389 D are available in 5 gallon (19 liter) pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk. Do not allow product to freeze.

APPLICATION CONSIDERATIONS

VpCI-389/VpCI-389 D should be completely dry before placing the part into storage.

PROTECTION PROPERTIES

Test Method	DFT*	SAE 1010 Carbon Steel	Cast Iron
ASTM D 1748 Humidity	1-mil (25 microns)	1000+ hr.	-
ASTM G 85-94 Prohesion	1-mil (25 microns)	600 hr.	-
ASTM B 117 Salt Spray	2-mils (50 microns)	600 hr.	40 hr. @ 0.5-mil (12 microns)
DIN 50017 H ₂ O Atmospheres Condensation	0.5-mil (12 microns)	96 hr.	~5% corrosion

*Dry Film Thickness

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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