



HIGH PERFORMANCE VpCI® COATINGS

VpCI®-374

PRODUCT DESCRIPTION

VpCI-374 is an environmentally friendly waterborne metal primer with outstanding corrosion resistance. This coating is based on a hydrophobic latex resin system. Several types of corrosion inhibitors are combined to work together to stop rust in this coating formulation.

VpCI-374 is designed to be used with other waterborne topcoats. Several solvent-based top coats can also be coated over VpCI-374 (provided compatibility has been checked).

VpCI-374 is a fast-drying, thixotropic, low viscosity coating that resists sagging. It also has excellent resistance to settling in the can. This dry-to-touch film offers extended protection in sheltered or unsheltered, outdoor, or indoor conditions. Excellent flexibility gives optimal outdoor performance without cracking or chipping due to prolonged exposure to sunlight.

METALS PROTECTED

- Carbon Steel
- Cast Iron
- Aluminum
- Stainless Steel

APPLICATION

Check for settling in the can. If necessary, gently agitate to a uniform consistency using a "squirrel cage" type mixer, hand-held drill mixer, or other equivalent method. Do not induce a vortex.

Conventional Spray:

Manufacturer	Gun Model	Tip/Aircap Combination
DeVilbiss	MBC or JGA	704E
Binks	#18 or #62	66PE

Fluid hose should be 3/8" (0.95 cm) I.D. with a maximum length of 50 feet (15.2 m). Pot should always have dual regulation and be kept at the same elevation as the spray gun.

Airless:

Manufacturer	Gun Model	Tip/Aircap Combination
Graco	205-591	Bulldog
Binks	500	Mercury 5C
DeVibiss	JGN-501	QFA-519

Hose should be 3/8" (0.95 cm) I.D. minimum, but a 1/4" (0.6 cm) I.D. whip end section may be used for ease of application. A maximum length of 100 feet (30.5 m) is suggested. Best results will be obtained using a 0.013"-0.017" (0.03 cm - 0.04 cm) tip at 1200-1700 psi (83-117 bar).

NOTE: Nylon or Teflon type packings are available from pump manufacturer and are highly recommended.

NOTE: Similar equipment may be suitable.

Thinning/Cleanup:

Recommended Thinner	Fresh Water
Airless Spray	None required

TYPICAL PROPERTIES

Appearance	Gray viscous liquid
Non-volatile Content	42-47%
pH	8.5-9.5 (Neat)
Density	9.1-10.2 lb/gal (1.09-1.22g/l)
Solids by Volume	33-37%
Recommended DFT	1.5-3.0 mils (37.5-75 microns)
Theoretical Spread Rate	561 ft ² /gal @ 1 mil 52 m ² /l @ 25 microns
Dry to Touch Time*	30 minutes @ 77°F (25°C)
Fully Cured	7 days @ 77°F (25°C) 55% RH
Temperature Stability	45°-90°F (7°-32°C)
Minimum Interval before Overcoating (Varies)	0.5-6.0 hours
Flash Point	>248°F (120°C)
VOC Regulatory	0.7-0.8lb/gal (84-96g/L)
VOC Actural	0.5-0.5lb1 gal (60-72g/L)
Viscosity	1200-2200 cps

*Can be reduced with an increase in air flow

CORROSION RESISTANCE DATA

(on carbon steel 1010 Q-panels)

	Dry Film Thickness Mils (Microns)	Hours to Failure
ASTM B-117 (Salt spray)	2.0 (50)	1000+
ASTM D-1748 (Humidity)	2.0 (50)	2000+

PACKAGING AND STORAGE

VpCI-374 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Store in heated warehouse to avoid freezing. VpCI-374 has a shelf life of 12 months.

Minimum storage temperature: 35°F (2°C)

Maximum storage temperature: 120°F (49°C)

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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