



# HIGH PERFORMANCE VpCI™ COATINGS

## VpCI™-386 Aluminum



### PRODUCT DESCRIPTION

VpCI™-386 Aluminum is a unique, water-based primer/topcoat that successfully provides protection in harsh, outdoor, unsheltered applications. The complex mixture of non-toxic, organic inhibitors and an aluminum pigment offers protection that can compete with most paints and zinc-rich primers.

VpCI™-386 Aluminum is superior to many coatings with only inorganic pigments because the resistance has been improved by using a highly corrosion resistant aluminum platelet type pigment with organic corrosion inhibitors. The special combination of additives provides a composite polymer barrier that significantly retards the reaction of metal ionization and repels water. A protective film is adsorbed onto metal surfaces. It protects against corrosive electrolytes and aggressive environments, thus preventing corrosion.

VpCI™-386 Aluminum provides a fast-drying thixotropic coating that is resistant to sagging or running, forming a tough, non-flammable, protective barrier. This dry-to-touch film offers extended protection for sheltered or unsheltered, outdoor or indoor conditions. Thermally stable from -40°F to +400°F (-40° to 204°C), the coating is ultraviolet resistant. It gives optimal outdoor performance without cracking or chipping upon prolonged exposure to sunlight.

VpCI™-386 Aluminum has exceptionally good anti-abrasion qualities, making it easily adaptable to steel grating walkways, steel decks and numerous other applications where abrasion is to be expected.

### FEATURES

- Fast-drying
- UV resistant
- Forms non-flammable, protective barrier
- High anti-abrasion performance
- Optimal outdoor performance

### MIXING INSTRUCTIONS

This coating is supplied in two parts. Part A contains the clear latex coating. Part B contains the aluminum paste. (Mix before adding to Part A). Part B should be added to Part A with slow steady mixing.

MIXING RATIOS			
	Drum	Pail	Gallon
<b>Part A</b>	55 gallons (208 Liters)	5 gallons (19 Liters)	123.2 oz (3.6 Liters)
<b>Part B</b>	2 gallons (38 Liters)	24 oz (709.68 mL)	4.8 oz (141.94 mL)

Power agitate at low speed to a uniform consistency using a "squirrel cage" type mixer, hand-held drill mixer, or other equivalent method.

### APPLICATION

VpCI™-386 Aluminum can be used as a topcoat/primer. When solvent-based topcoats are applied over VpCI™-386 Aluminum, compatibility must be checked. VpCI™-386 Aluminum can also be used as a topcoat with Cortec® VpCI™-374 or VpCI™-395 as a primer.



**Note:** Make sure dew point is more than 5°F (2°C) less than air temperature for application and the temperature is at least 55°F (130°C).

VpCI™-386 Aluminum can be applied via spray, roller and brush.

### METALS PROTECTED

- Carbon steel
- Cast iron
- Aluminum
- Stainless steel
- Galvanized steel
- Copper

### TEST DATA

	CS 1010	Aluminum
Salt Spray	300 hr.*	1000+ hr.
Humidity	1000+ hr.	1000+ hr.

\*1.5 to 2-mils (37.5 to 50 microns)

### 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 same elevation as spray gun.

### 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**

### Airless

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

Hose should be 3/8" (0.95 cm) I.D. minimum, but a 1/4" (0.64 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" (0.3-0.4 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.*

### PACKAGING AND STORAGE

VpCI™-386 Aluminum is available in 5 gallon (19 liter) kit, 55 gallon (208 liter) kit, liquid totes and bulk. Keep product from freezing.

### TYPICAL PROPERTIES

#### PART A

Appearance	Milky off-white liquid
pH	9-9.6 (Neat)
Density	8.4-8.6 lb/gal (1.01-1.03 kg/l)
Non-volatile Content	33-37%
Dry Film Thickness (per coat)	1.0-2.5 mils (25-62.5 microns)
Dry to Touch Time	30 minutes @ 75°F (24°C)
Temperature Stability	45°-90°F (7°-32°C)
VOC (ASTM D-3960)	1.27 lb/gal (152 g/l)
Viscosity	700-3,000 cps (6 rpm/#2)

#### PART B

Appearance	Aluminum
Density	9.8-10.2 lb/gal (1.18-1.23 kg/l)
Non-volatile Content	34-37%

### LIMITED WARRANTY

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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  
Internet <http://www.CortecVpCI.com>

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OTiK Sp. z o.o.

ul. Hutnicza 4  
81-061 Gdynia  
tel.: 58 6230498  
fax: 58 6230496

[otik@use.pl](mailto:otik@use.pl)

[www.inhibitory.use.pl](http://www.inhibitory.use.pl)



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