



# VpCI®-391

## Non-tacky temporary coating



### PRODUCT DESCRIPTION

VpCI-391 is a water-borne, temporary coating that is intended for medium to long-term indoor and outdoor protection.

Once dried, VpCI-391 builds a non-tacky transparent film on the metal surface that provides excellent salt, humidity, and UV resistance.

This product, being a complex mixture of non-toxic organic inhibitors incorporated in a water-based acrylic polymer, offers corrosion protection that can compete with most permanent coatings and primers.

### FEATURES

- Fast drying, non-flammable
- Clear coating allows visual inspection of metal substrate
- Provides excellent corrosion protection
- Can be removed using an alkaline cleaner such as VpCI®-414
- Available in different colors
- Water-dilutable, environmentally friendly, and safe to apply
- Cost-effective - protects at very low Dry Film Thickness (DFT)
- Works in SO<sub>2</sub> and HCl environments

### METALS PROTECTED

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

### APPLICATION

VpCI-391 is recommended for metal surfaces as a protective coating when a non-tacky surface is required and when optimal removability is beneficial.

VpCI-391 can be applied by spraying, rolling, brushing, or dipping.

### TEST DATA (SAE 1010 Carbon Steel)

Test Method	Thickness of Coating (mils/microns, DFT)	Time of Protection (hours)
Salt Spray (ASTM B-117)	0.5/12.5	140
	1.0/25	250
	2.0/50	600
Humidity (ASTM D-1748)	1/25	1400
	2/50	1500 +

### TYPICAL PROPERTIES

Appearance	Milky off-white liquid
Non-volatile Content	34-45%
Dry to Touch Time	30-60 min at 75°F (24°C)
Viscosity	3500-10,000cps (6 rpm/#3)
pH	8.9-9.5 (neat)
Density	8.1-8.5 lb/gal (0.97-1.02 kg/l)
Theoretical Spread Rate (1-3 mils)	218-545 sq ft/gal (5.4-13.6 m <sup>2</sup> /l)
VOC (regulatory)	1.0-1.1 lbs/gal (119.8-131.8 g/l)
VOC (actual)	0.4-0.5 lbs/gal (47.9-60 g/l)
Temperature Resistance (Fully Cured)	-150°F to 275°F (-78°C to 130°C)
Dry Film Thickness	1.0-3.0 mils (25-75 microns)
Wet Film Thickness	2.5-7.5 mils (62.5-187.5 microns)

### PACKAGING AND STORAGE

VpCI-391 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. Keep product from freezing.



## APPLICATION EQUIPMENT

Airless Spray Equipment:

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

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 mm) 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.

Brush Nylon/Polyester or nylon

Roller Polyester knitted

## 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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