



HIGH PERFORMANCE VpCI™ COATINGS

VpCI™-386 FR TOP COAT



PRODUCT DESCRIPTION

VpCI-386 FR is a fire retardant version of VpCI-386. It passes ASTM D-3806-79 Fire Retardant Paint Test (2-Foot Tunnel Method). When Cortec VpCI-374 is used as a primer for VpCI-386 FR, the salt spray resistance is excellent. The film thickness of fire retardant coatings needs to be at least 4 mils dry in order to deny fuel through the formation of char.

VpCI-386 FR dries to a dull white finish and is very thixotropic allowing a thicker film to be applied without sagging.

VpCI-386 FR has all of the other unique properties of VpCI-386 waterborne acrylic topcoat that provides excellent protection in a harsh outdoor environment. VpCI-386 provides a fast-drying thixotropic coating that is resistant to sagging or running, forming a tough, flame retardant, protective barrier. This dry-to-touch film offers extended protection for outdoor or indoor conditions. Thermally stable when dried from -20°F to 350°F (-29° to 180°C), the coating is ultraviolet resistant. It gives optimal outdoor performance without cracking or chipping upon prolonged exposure to sunlight.

FEATURES

- Fire retardant
- Fast-drying
- UV resistant
- Optimal outdoor performance
- Excellent corrosion protection when topcoated over VpCI-374

METALS PROTECTED

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

APPLICATIONS

VpCI-386 FR should only be used as a top coat, and is recommended for use with Cortec VpCI-374 primer. The minimum dry film thickness of VpCI-386 FR should be at least 4 mils (100 microns).

Note: Make sure the dew point is more than 5°F (2°C) less than air temperature for application.

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

VpCI-386 can be applied by spray, roll, brush or dip.

TYPICAL PROPERTIES

Appearance	White viscous liquid
pH	8.5 to 9.5 (Neat)
Density	8.6 to 9.0 #/Gal. (1.09 to 1.13 Kg/l)
Non-volatile Content	42 to 48%
Dry Film Thickness	4 to 8 mils 100 to 200 microns
Theoretical Spread Rate	762 ft ² /gal at 1 mil (18.7 m ² /l)
Dry to touch time	30 - 90min at 75°F (24°C)
Application temperature	55 to 95°F (13 to 35°C)
VOC	1.4 to 1.6 lb/gal (167 to 191 g/liter)
Viscosity	2000 to 7000 cps

TEST DATA (VpCI-386 FR Top Coat)

Test Method	SAE 1010 Carbon Steel	Aluminum
Salt Spray (ASTM B-117)	725+ hours	1000+ hours
Humidity (ASTM D-1748)	1000+ hours	1000+ hours

*Dry Film Thickness

PACKAGING

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

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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