

VpCI®-2026 Tank Lining Topcoat

DESCRIPTION

VpCI®-2026 is a 2K, solvent-based 100% solids novolac epoxy system (topcoat) that provides protection in harsh, outdoor, unsheltered applications. The complex mixture of non-toxic, organic inhibitors offers protection that competes with most paints and zinc-rich primers. Provides multi-metal protection. Can be matched to most custom colors.

PACKAGING & STORAGE

VpCI®-2026 is available in 2.5 (9.5 liter), 12.5 gallon (47.3 liter) and 138 gal (522 liter) kits.

Product shelf life is 1 year.



CHARACTERISTICS/TECHNICAL DATA

Volume Solids	100 %
Gloss (ASTM D532)	80+
VOCs (ASTM D3960)	0.1 lbs/gal (12 g/l)
Viscosity	2200-3000 CPS
Pencil Hardness (ASTM D3363)	82+ Shore D
Spreading Rate	1604 sq. ft. per gal (149 sq.m/l @ 25 µm)
Weight per Gallon	Mixed 7.38 lbs/gal (.88 kg/l)
Flash Point	>200°F (93°C)
Recommended DFT	11.0-13.0 mils (275-325 µm)
Recommended WFT	11.0-13.0 mils (275-325 µm)
Dry to Touch	1.5-3.5 hrs
Dry to Handle	3.5 hrs
Recoat Time	1.5-3.5 hrs and less than 24 hrs
Force Dry	NA
Full Cure	24 hours
Salt Spray (ASTM B117)	NA
Humidity (ASTM D1748)	NA
Adhesion (ASTM D3359)	NA
Flexibility (ASTM D522)	1/2" mandrel (1.27cm)

*All tests performed after a 7 day cure at ambient temperature

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APPLICATION

Surface Preparation

Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, rust inhibitors, or any other surface contamination that could affect adhesion. For production line applications, use VpCI®-440 or similar phosphatizing pre-treatment. For structural steel applications, Cortec® recommends a minimum of a NACE #3/SSPC-SP6 commercial blast clean. Consult Cortec® and/or test system adhesion prior to full scale application.

A wash primer such as VpCI®-373 green applied at 0.5-1.0 mils (12.5-25 microns) is recommended before applying the VpCI®-2026 to aluminum, galvanized or plated substrates. VpCI®-395 & 396 are standard primers for carbon steel applications. When solvent based topcoats are applied over VpCI®-2026, compatibility must be checked. Application temp is between 45°F and 100°F, with RH lower than 75%.

Mix Ratio

1 Part Part A - 1 gal (3.8 l)
1.5 Part Part B - 1.5 gal (5.7l)

Power agitate to a uniform consistency using a "squirrel cage" type mixer, hand-held drill mixer, or other equivalent method. VpCI®-2026 can be applied by spray, roll. When mixing using a pressure pot setup, pot life is 20-25 minutes. Do not reduce.

Typical Equipment Setups

HVLP / Conventional Spray

- Tip .009"-.021" *dependent upon pressures and viscosity
- Air Pressure 45-55 psi
- Fluid Pressure 10 psi
- 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.

Air Assisted Airless / Airless

- Tip .015"-.035" *dependent upon pressures and viscosity
- Pressure 1800-2500 psi
- 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.

Cleanup

Clean tools/equipment immediately after use with water when paint is still wet. When dry, use Butyl Cellusolve or MIBK. Follow mfg's safety recommendations when using any solvent.

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