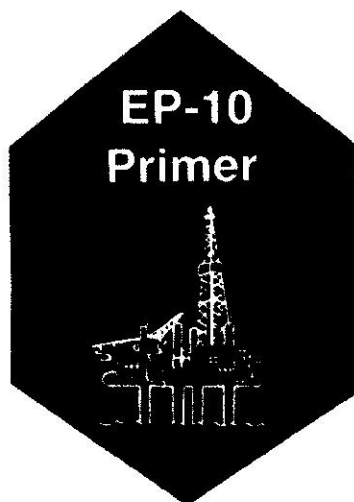


# CORVEL Coatings for the Oil & Gas Industries



Corvel® EP-10 is a phenolic based liquid coating designed for priming metal surfaces and the I.D. of pipe prior to applying high performance, highly cross-linked Corvel epoxy coating powders. When properly applied, Corvel EP-10 primer provides outstanding adhesion at elevated temperatures and pressures which assures excellent performance in the presence of salt water, CO<sub>2</sub>, H<sub>2</sub>S, petroleum distillates and drilling muds.

## TYPICAL APPLICATIONS

- I. D. Drill Pipe
- Water Flood Pipe
- E.O.R. Pipe Systems
- Chemical Processing Equipment
- Valves and Fittings

## Metal Preparation

- N.A.C.E. No. 1 (TM-01-75)
- SSPC—SP 5-63
- Anchor Pattern: 1.5 mils (38μ) — 2.5 mils (63.5μ)

## Application

- Method: Spray
- Thickness: 0.7 mil (17.8μ) average
- Air Dry: 5 minutes at 72°F (22°C)
- Preheat Steel Temperature: 320°F (160°C) - 380°F (193°C)
- Preheat Duration: 20 - 30 minutes

Note: Less than optimum adhesion will result if primed substrate is preheated longer than one (1) hour at 320°F (160°C) or 10 minutes at 425°F (218°C).

## Reducing Solvents

- Anhydrous: Methanol, Ethanol, Butanol
- Recommended Dilution: 2 Parts EP-10: 1 Part Solvent

## Color

Red-Brown

## Packaging

- Sizes: 5 gal. (19 liter) Pail
- 55 gal. (208 liter) Drum

## Storage

- 50°F (10°C) - 1 Year
- 75°F (24°C) - 3 Months

All statements, technical information and recommendations contained herein are based on tests believed to be reliable and experience that has been gained in the field. The accuracy or completeness of this information cannot be guaranteed and it is the responsibility of the user to determine the suitability of CORVEL® coating powders for any given use, taking into account the specific requirements and possible eccentricities of the intended application, as well as the competency of the coating applicator to apply CORVEL coatings in accordance with recommended procedures.

## Typical Liquid Properties

Property	Test Method	Value	Units
Weight/Gallon		9.6	Lbs./Gal.
		1.2	Kg/liter
Viscosity	Zahn #2	16-21	Sec.
% Solids by Weight		45	%
Flash Point	Pensky-Martens	64	°F
		18	°C

## Typical Film Properties 0.7 mil (17.8μ) Film Average

Property	Test Method	Value	Units
Specific Gravity		1.27	
Coverage	Theoretical	435	Ft <sup>2</sup> /Gal./Mil
		3.36	M <sup>2</sup> /liter/25μ

## CAUTIONS

Contact with Corvel® EP-10 Primer may cause skin irritation. Wash affected area with soap and water prior to eating, drinking, or smoking. Avoid prolonged breathing of vapors. Synthetic gloves and organic vapor masks are recommended precautions.

## Flammability:

Keep from open flames and sparks. Adequate ventilation in the work area is necessary.

Since the manner of use and the application of CORVEL coating powders are beyond Polymer's control, Polymer warrants only that its coating powders will meet its published specifications and it disclaims all other warranties express or implied. Polymer's sole liability shall be limited to the replacement of defective coating materials.

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