

# IPC CK-20AR

PRODUCT SPECIFICATIONS



**IPC CK-20AR** is a thermosetting modified epoxy powder coating specially engineered for internal application of downhole tubulars used in rod pump producing wells.

**IPC CK-20AR** is a high-performance epoxy powder specifically designed to offer the highest degree of protection in terms of chemical resistance, abrasion resistance, and elevated operating temperatures. CK-20AR provides unparalleled protection when it comes to the most corrosive elements found in the oil and gas industry.

## Additional Information:

### Recommended Services:

- Rod pump production
- Saltwater disposal wells
- CO<sub>2</sub> (WAG) / H<sub>2</sub>O injection
- High solids / high fluid rate production
- High H<sub>2</sub>S environments
- High temperatures

### Benefits:

- Excellent abrasion resistance
- Excellent corrosion resistance
- Excellent adhesion
- Low permeability

### Characteristics:

- Color: light green
- Generic type: Cresol Novolac
- Primer: phenolic
- Operating temperatures: 300°F (149°C)
- Thickness: 10-20 dry mils

### Abrasion Resistance (Taber Abrasion Test | ASTM D4060):

- CS-17 wheel at 1,000g load at 1,000 cycles
- Average weight loss: 5.0 mg



## Successful Autoclave Results\*:

Temperature	Pressure	Test Conditions	Time Period	Result
300°F	6,500 psig	3% CO <sub>2</sub> / 97% CH <sub>4</sub> / 50% Toluene / 50% Kerosene 3% Brine	16 Hours	Pass
300°F	6,500 psig	1% H <sub>2</sub> S / 3% CO <sub>2</sub> / 96% CH <sub>4</sub> / 50% Toluene / 50% Kerosene / 3% Brine	16 Hours	Pass

\*These test results are presented as simulated conditions and should be used as guidelines only; they are not intended for warranty serviceability.