

PERMIAN
ENTERPRISES, LTD.

IPC 1505

Internal Plastic Coatings

IPC 1505 is a thick-film coating with superior handling characteristics for CO₂ and secondary services.

IPC 1505 is a fusion-bonded epoxy powder with excellent temperature characteristics (250 F). Its superior flexibility and abrasion resistance make it an excellent choice for CO₂ and secondary service applications.

Recommended Services:

CO₂ Injection WAG
Oil/Water/Gas Production
Brine Injection/Disposal
Flow Lines
Line Pipe

Benefits:

Excellent Flexibility
Moderate Acid/Caustic Resistance
Excellent Adhesion

Characteristics:

Color: Tan
Generic Type: Epoxy
Primer: Phenolic
Temperatures: 250° F (121° C)
Thickness: 10-25 dry mils



Successful Autoclave Results

Temperature	Pressure	Test Conditions	Time Period
300° F	5,000 psi	10% CO ₂ / 90% CH ₄ Hydrocarbons Tap Water	16 Hours
300° F	6,500 psi	27% CO ₂ / 73% CH ₄ Hydrocarbons 5% Brine	16 Hours
225° F	4,000 psi	Alternating 3X (WAG) a. 5% Brine-saturated H ₂ S b. 100% CO ₂	6 Days
150° F	2,000 psi	3% CO ₂ / 97% CH ₄ 5% Brine-saturated H ₂ S Rocker Arm Test	28 days

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

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