

TenCoat™ 8000

Internal Pipe Coating

TenCoat™ 8000 internal pipe coating is a thermosetting epoxy powder coating to be used inside steel pipes. It is typically applied over a phenolic primer, due to its superior adhesion which also improves the performance of the coating system.

TenCoat™ 8000 presents excellent performance under sweet and sour oil and gas production, hydrocarbons and liquid solutions at high temperatures, maintaining its corrosion protection properties.

GENERAL CHARACTERISTICS	
COLOR	Blue
APPLIED THICKNESS	300–500 µm
PRIMER	Phenolic primer, Thickness: 20–40 µm
USE TEMPERATURE	Up to 200°C
PRIMARY APPLICATIONS	Production tubing, injection tubing, drill pipe, flowlines, pipelines
PRIMARY SERVICES	High temperature, sour and sweet oil, natural gas, fresh water, salt water, injection/disposal water, CO ₂ Injection, WAG
BENEFITS	Excellent adhesion, acid and abrasion resistance

AUTOCLAVE PERFORMED TEST *				
TEMPERATURE	PRESSURE (PSI)	TEST CONDITIONS	DURATION	RESULTS
149°C (300°F)	5,000	10% CO ₂ , 90% CH ₄ , Hydrocarbons, Tap water	16 hours	Pass
149°C (300°F)	6,500	27% CO ₂ , 73% CH ₄ , Hydrocarbons, 5% brine	16 hours	Pass
107°C (225°F)	4,000	Alternating 3X (WAG), 5% Brine, (H ₂ S – saturated), 100% CO ₂	6 days	Pass
66°C (151°F)	2,000	3% CO ₂ , 97% CH ₄ , 5% Brine, (H ₂ S – saturated). Rocker Arm test	28 days	Pass
95°C (203°F)	3,000	Gas phase: N ₂ . Liquid phase: Treated sea water	24 hours	Pass
95°C (203°F)	3,000	Gas phase: 3% CO ₂ , 3% H ₂ S, 94% CH ₄ . Liquid phase: Formation water brine	24 hours	Pass
95°C (203°F)	3,000	Gas phase: 100% CO ₂ . Liquid phase: Wasia water	24 hours	Pass
50°C (122°F)	Covered Vented Container	10% Vol. HCl	24 hours	Pass
135°C (275°F)	6,500	Gas phase: 3% CO ₂ , 4% H ₂ S, 93% CH ₄	24 hours	Pass
135°C (275°F)	6,500	Liquid phase: Completion Fluid	24 hours	Pass
135°C (275°F)	6,500	Gas phase: 3% CO ₂ , 4% H ₂ S, 93% CH ₄ . Liquid phase: Saturated Sodium Chloride Mud	24 hours	Pass
204°C (399°F)	5,000	Gas phase: 25% CO ₂ , 1% H ₂ S, 74% CH ₄ . Hydrocarbon phase: Kerosene. Liquid phase: 5% Brine	16 hours	Pass

* These tests results are based on laboratory simulations of field conditions and should serve only as a general guide. Test results may not accurately predict field performance.



For additional information, please visit
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