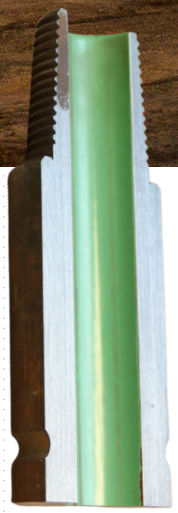
TEX300™ AR

Where Reliability Runs Deep.



Applications

- Drill Pipe
- Production Tubing
- Work Strings

Quick View

Type	Thermosetting Epoxy Powder
Color	Green
Temperature	302°F (150°C)
Applied Thickness	10-20 mils (250-500 microns)
Plant Capabilities	2" to 12-3/4" OD

Smart Temperature Coating

At TSC Coatings™ , our product naming convention is intended to support clear product identification. TEX300™ AR references the coating's evaluation under elevated temperature conditions, including autoclave testing at 300°F (149°C) as outlined in this technical data sheet. Refer to the performance data below for specific test conditions and results.

Benefits & Highlights

Extended Wear-Life

Extends service life of pipe, reducing replacement frequency and capital expenditure.

Increased Flow Efficiency

Improves hydraulic performance, allowing for better mud flow and pressure control.

Corrosion & Abrasion Protection

TEX300 AR™ defends against high-velocity fluids, solids, and cuttings that erode uncoated pipe.

Lower Operating Costs

The increased flow efficiency reduces pumping energy requirements, lowering fuel consumption.

Consistent Quality

Every joint is holiday tested to ensure consistent coverage.

Proven Performance

Lab testing demonstrates exceptional adhesion, chemical resistance, and erosion protection.

Comprehensive evaluations conducted, including: Autoclave, Thermal Properties, Flexibility, and Chemical Resistance.

Ready to protect your investment?

7203 Miller Road #2 Houston, TX TSCCoatings.com (713) 733-6013

TSC Coatings

TEX300™ AR TECHNICAL DATA

TEX300™ AR is a thermosetting epoxy powder coating engineered for internal pipe applications. It is designed for use in demanding downhole environments and may be applied over an optional phenolic primer. Performance has been evaluated under simulated field conditions as detailed in the technical data below.

Test Verified Material Properties

Test	Specification	Test Method
Maximum Service Temperature	302°F (150°C)	Per Powder Manufacturer
Applied Thickness	10-20 mils	Per TSC Coatings
Specific Gravity	1.57- 1.67	CSA Z245.20:2018
Gel Time at 400°F (204°C)	45-75 seconds	ISO 8130-6
Flexibility at 74°F (23°C)	1.5°/PD	Per Powder Manufacturer
Abrasion Resistance	5 mg mass loss	ASTM D4060 CS17 wheel, 1000 cycles, 1 kg load
Coefficient of Friction	0.37 / 0.35	ASTM D1894 (Kinetic/Static)

Evaluated under simulated downhole conditions containing CO_2, CH_4, H_2S, and N_2.

*Refer to autoclave performance data for specific test conditions and results

Autoclave Performance Characteristics

Temperature	Pressure	Test Conditions	Duration	Results
300°F (149°C)	6,500 psig	3% CO_2 / 97% CH_4 50% Toluene / 50% Kerosene / 3% Brine	16 Hours	Pass
300°F (149°C)	6,500 psig	1% H_2S / 3%CO_2 / 96% CH_4 50% Toluene / 50% Kerosene / 3% Brine	16 Hours	Pass

Revised: October 29, 2025