

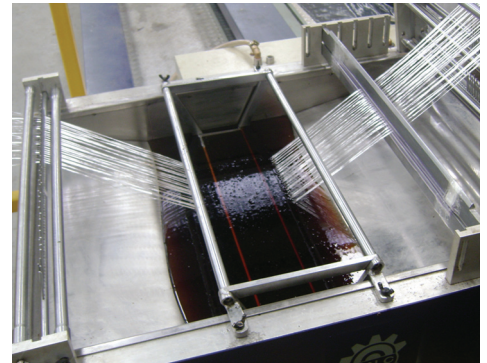
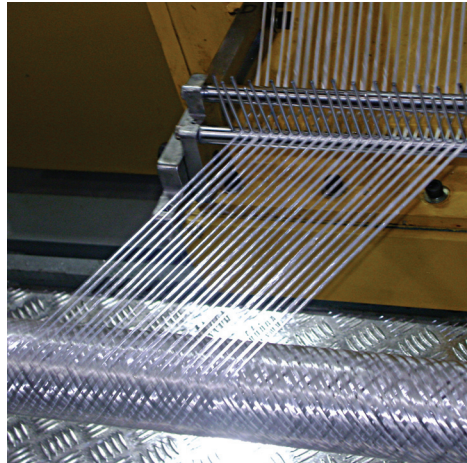
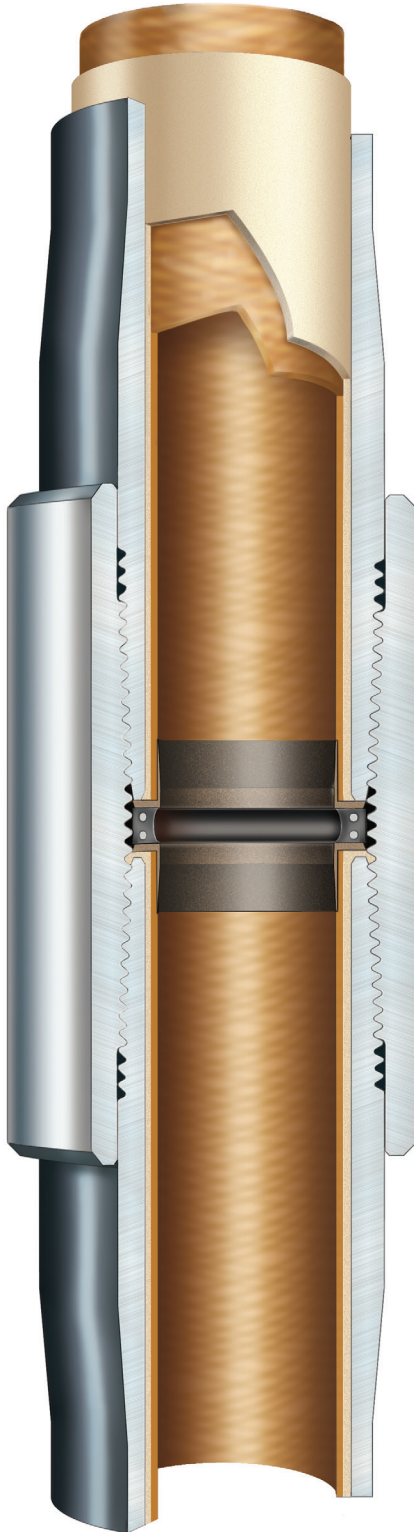


**Fiberglass Lining
External Wrapping
Threading Services
Field Services
Inspection Services**

GlassBore®
API

7812 West Hwy 80 • Midland, TX 79706 • 432.617.0242 • 432.617.0244 Fax

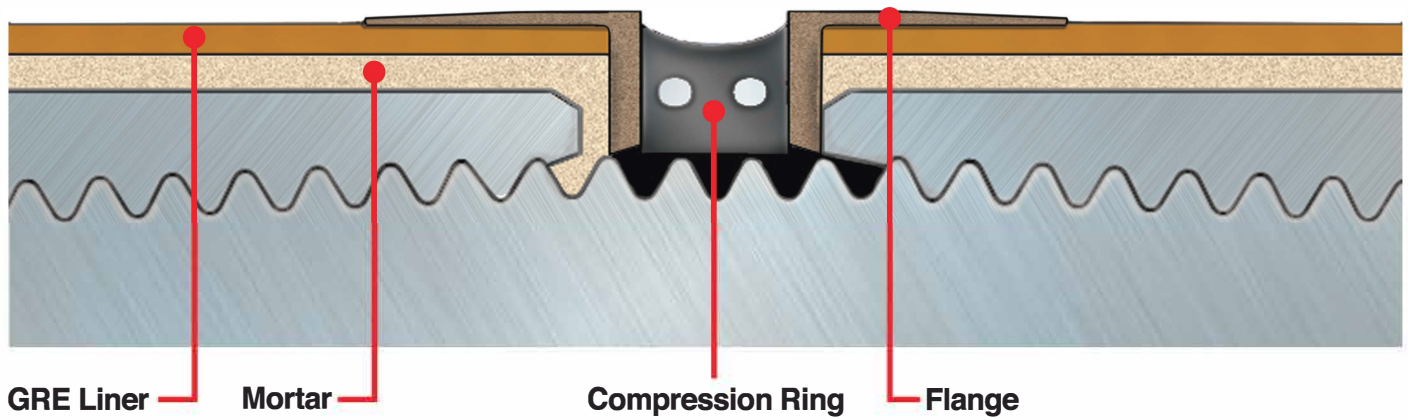
Best-in-Class Protection for Oilfield Tubulars
GlassBore® Glass Reinforced Epoxy (GRE) Lining Service



- **Premium Protection**
- **Cost Effective**
- **Composite Strength**
- **Durable**
- **Holiday Free**
- **Proven Technology**



GlassBore® GlassLine® GlassWrap®



Specifications

Temperature Rating- 250°F

C-Ring Material- Reinforced Nitrile Rubber

Liner Material- Glass Reinforced Epoxy

Resin System- Amine-Cured Epoxy

Strength of Material- To tensile limit of steel tubing

Improved Flow Efficiency

The GRE liner provides a smooth friction-reduced surface to increase the flowing efficiency of produced or injected gases and fluids. As new tubing corrodes the benefit of *GlassBore®* becomes even more apparent.

Flow Characteristics: Hazen-Williams Coefficient = 150 • Absolute Roughness = 0.00021 inches

Dimensions Table

Pipe Dia. (inches)	Weight ppf	Liner ID	Flange ID	Wall Thickness	Drift (Premium)	Drift (API)
2-1/16	3.25	1.500	1.420	0.040	1.300	1.250
2-3/8	4.70	1.810	1.750	0.040	1.625	1.600
2-7/8	6.50	2.250	2.200	0.040	2.070	1.950
3-1/2	9.30	2.750	2.690	0.045	2.565	2.440
4-1/2	11.60	3.690	3.600	0.060	3.475	3.350
4-1/2	12.75	3.690	3.600	0.060	3.475	3.350
4-1/2	13.50	3.600	3.510	0.060	3.380	3.260
5	15.00	4.010	3.900	0.065	3.780	3.650
5	18.00	4.010	3.900	0.065	3.780	3.650
5-1/2	15.50	4.520	4.400	0.075	4.275	4.150
5-1/2	17.00	4.520	4.400	0.075	4.275	4.150
5-1/2	20.00	4.520	4.400	0.075	4.275	4.150
5-1/2	23.00	4.395	4.280	0.075	4.155	4.030
7	23.00	5.900	5.780	0.095	5.655	5.530
7	26.00	5.900	5.780	0.095	5.655	5.530
7	29.00	5.800	5.690	0.095	5.565	5.440
7	32.00	5.800	5.690	0.095	5.565	5.440

Dimensions are in inches