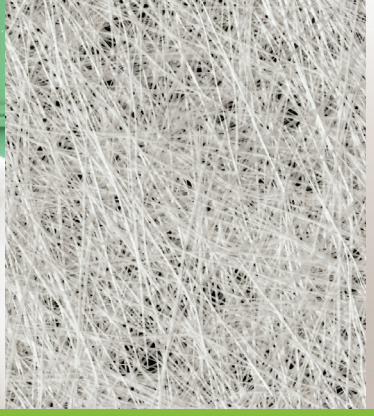
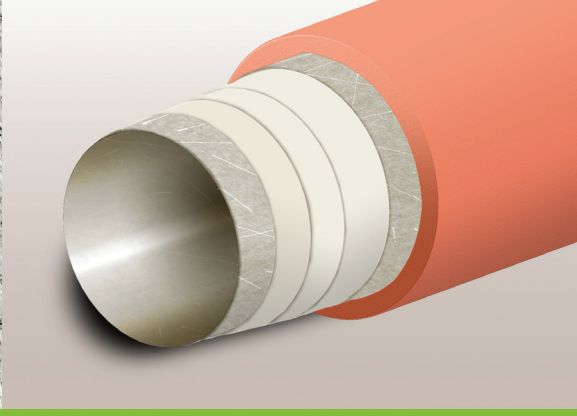




PREMIER-PIPE TECH LINER

Fiberglass reinforcement for inside-out strength

PREMIER-PIPE USA™

Premier-Pipe USA is proud to offer the latest innovation from industry leader Applied Felts, Inc. Premier-Pipe Tech Liner delivers fiberglass strength with traditional felt liner performance.

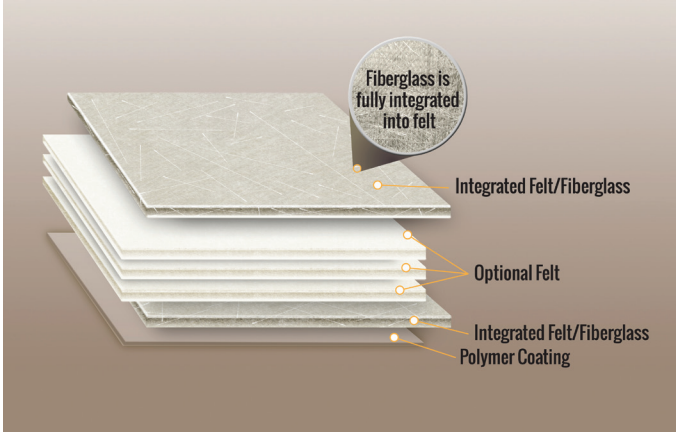
APPLIED FELTS

PREMIER-PIPE TECH LINER

Fiberglass reinforcement for inside-out strength

Premier-Pipe Tech Liner combines fiberglass reinforcement with Applied Felts' existing, best-in-class felt liner design and construction. This exclusive technology fully integrates and blends the unique properties of each, providing the strongest, most robust liner on the market today.

With Premier-Pipe Tech Liner there is no learning curve – it performs and installs just like our non-reinforced liners with most of the same procedures and operations our customers have used for years, and continue to employ even today. Premier-Pipe Tech Liner is impregnated on the same roller beds, using the same vacuums, and can be installed with the same equipment and techniques. This marriage of fiberglass and felt does, however, add some extra benefits to improve onsite economies and value.



Features:

- Produces a matrix that will significantly reduce the thickness of liners; particularly larger diameter liners with excessive SDR requirements.
- Is thinner, so liners deliver significant resin savings and can lower total material costs.
- Weighs less, making transportation, handling and installation faster and easier.
- Reduces hard and soft costs associated with impregnation and associated overhead, improving efficiencies.
- Reduces emissions and conserves energy, protecting the environment.
- Delivers excellent resin saturation and retention properties.
- Stretches up to 10% to the existing pipe wall ensuring a close fit.
- Faster impregnation rates greatly reduce installation time.
- Provides excellent chemical resistance against sewer effluent elements.
- Provides superior physical and mechanical properties upon ASTM testing that deliver a typical increase in flexural modulus of 100-150%.
- Is manufactured by the world's leader in CIPP lining solutions.

ISO 9001:2008
FM 56735
FM 588513

Product Specifications

Material	Multilayer polyester felt/fiberglass hybrid with impermeable coating conforming to ASTM-F1216
Diameter Range	8 to 96 inches (200 mm to 2.4 metres)
Thickness Range	3 to 50 mm
Maximum Shot Length	Any length made to order
Installation Method	Inversion using hot water
Resin Type/Coating Type	Polyester/Vinyl Ester: Standard Polyurethane, Polypropylene
	Epoxy: PUXR, PVC, Polypropylene
Host Pipe Type	All materials

Product Design

Host Pipe Diameter	48 in (1200mm)
Host Pipe Ovality	5%
External Head of Water Above Invert	17 feet (5.2 metres)
Soil Depth Above Invert	25 feet (7.6 metres)
Soil Modulus	1,000 psi (6.9 MPa)
Soil Density	120 lb/ft^3 (1922 Kg/m^3)
Typical HWY Live Load	16,000 lbs (7260 Kg)
Safety Factor	2
Design Method	ASTM F1216

Comparison of Values

	Traditional Liner	Premiere-Pipe Tech Liner
Short-Term Flexural Modulus	400,000 psi (2758 MPa)	850,000 psi (5861 MPa)
Short-Term Flexural Strength	4,500 psi (31 MPa)	20,000 psi (137 MPa)
Wall Thickness	31 mm	24 mm

PREMIER-PIPE USA™

APPLIED FELTS
YOUR SUCCESS IS OUR SUCCESS

About Premier-Pipe USA

Our experienced group of proven installers, staff professional engineers, ISO certified suppliers, well-trained crews and the best CIPP operation/project managers in the industry, have worked hard to make this the best lining process in the world.

We are a veteran group of individuals that knows what it takes to be the best at what we do. We are continuously looking for ideas and methods to make our product better. We also investigate and test out new materials that keep us on the cutting edge of the trenchless Industry.

For more information visit premierpipeusa.com

PREMIER-PIPE USA™

www.premierepipeusa.com
612.385.4101
info@premierepipeusa.com