

Product Name: Navi PIP Liner

Product Description: Liner used for horizontal/vertical pipe rehabilitation using pull in place method.

Typical Applications:

Material typical used in a horizontal PIP for pipe rehabilitation. Materials strength and flexibility allow for pull in place only. Material will mold to host pipe leaving little to no void. Inflation, installation, and deflation pressures must be properly controlled

Performance Limits

** If product is utilized outside the limits defined below, warranty coverage is voided **

** UV installation is possible, however if product is installed with UV systems, warranty coverage is voided**

Characteristic	Spec	Comments
General		
Typical Dry Thickness (mm)	2.2 – 3.2 mm	
Typical Finished Thickness (mm)	2.2 – 2.8 mm	Depends on installation pressures, pipe diameter
Sizes Available (in.)	3, 4, 6, 8,10,12	Custom sizes are available. Contact your local sales representative to determine product suitability for your application
Resins		
PLI Epoxy (2:1)	YES	Compatible with cold, warm, hot and heat assist variants of resin
PLI Epoxy (4:1)	YES	Compatible with cold variant of resin
PLI Vinyl Ester	NO	Not recommended – contact PLI representative for guidance
Install Design		
Maximum Depth of Install (ft)	Partially deteriorated 3" = 45' 4" = 23' 6" = 7' 8" = 2' 10" = 1' 12" = above grade	Depth assumes flooded conditions with fully deteriorated pipe and 10% ovality, if install expected to exceed recommended max depth, product may still work however requires PLI approval prior to installation.
Can be used across Transitions?	NO	Contact PLI representative to discuss specific application.
Install with Infiltration Allowed?	Situational	Thin material may not retain enough resin in high INI situations to form structurally sound liner. Contact PLI representative to discuss specific application.
Resin per FT	Varies by size, resin type	Epoxy Resins: 3" - 0.7 lbs/FT, 4" - 0.9 lbs/FT, 6" – 1.4 lbs/FT, 8" – 2.2 lbs/FT Contact PLI representative for Poly Vinyl Ester values.
Installation		
Wet Out Procedure	N/A	After resin saturation in liner, when scoring the plastic sheeting it is key NOT to cut and puncture material or bladder. Result could lead to bladder and install failing.
Typical Inversion Pressures (psi)	5-12	Depends on installation pressures, pipe diameter
Maximum Inversion Pressure (psi)	20	Pressures exceeding this limit run the risk of tearing the liner or excessive "thinning" around bends
Bladder Holding Pressures	3" – 17 psi 4" – 15 psi 6" – 13 psi	Pressures exceeding this limit run the risk of tearing the liner or excessive "thinning" around bends
Stretch Factor (at recommended inversion pressures)	N/A	To reduce risk, host pipe should be properly scoped, cleaned, and the inner dimension properly identified prior to install.
Maximum Heat Assist Temperature (°F)	220°F	Liner can be cured ambient, hot water or Steam (Do Not exceed 220°F at the liner)

Please contact your representative at 1-866-336-2568 if you have any questions.

