

Product Name: 2mm Flex Liner (Lo-Pile)**Product Description:** Liner used for horizontal/vertical pipe rehabilitation using inversion method**Typical Applications:**

Material typically used in a line with 45° or 90° bends. Material flexibility allows for ease of inversion as well as molding to the host pipe and leaving little to no void. Material recommended in vertical applications. Material to be used above ground only. Steam installs not recommended.

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

Characteristic	Spec	Comments
General		
Typical Dry Thickness (mm)	2.8 – 3.3	
Typical Finished Thickness (mm)	1.8 – 2.5	Depends on installation pressures, pipe diameter, and number of bends (45° & 90°)
Sizes Available (in.)	2, 3, 4, 5, 6, 8	Custom sizes are available. Contact your local sales representative to determine product suitability for your application
Resins		
Epoxy (2:1)	YES	Compatible with cold, warm, and hot variants of resin
Epoxy (4:1)	YES	Compatible with cold variant of resin
Vinyl Ester	NO	Not recommended – contact representative for guidance
Install Design		
Maximum Depth of Install (ft)	0 ft for all sizes	Above ground installation only, not recommended underground. If install expected to exceed recommendation, product may still work however requires approval prior to installation.
Can be used across Transitions?	NO	
Remote Start Allowed?	YES	Tab cal tube to liner using tabbing adhesive HH-66 . Refer to training manual for correct tabbing procedure.
Install with Infiltration Allowed?	Situational	Thin material may not retain enough resin in high I&I situations to form structurally sound liner. Contact representative to discuss specific application.
Resin per FT	Varies by size, resin type	Epoxy Resins: 2" – 0.25 lbs./ft 3" – 0.40 lbs./ft 4" – 0.55 lbs./ft 5" – 0.70 lbs./ft 6" – 0.85 lbs./ft 8" – 1.15 lbs./ft Above values are the minimum resin consumption values to meet ASTM-F1216 standards.
Installation		
Wet Out Gap Setting	4.8 mm	When using the Electric Wet Out Roller System **DO NOT USE FLOOR ROLLER FOR RISK OF RESIN SHY FINAL PRODUCT**
Typical Inversion Pressures (psi)	2-10	Depends on installation pressures, pipe diameter, and number of bends (45° & 90°)
Maximum Inversion Pressure (psi)	13	Pressures exceeding this limit run the risk of tearing the liner or excessive "thinning" around bends
Max Curing Pressures (psi)	10	Pressures exceeding this limit run the risk of tearing the liner or excessive "thinning" around bends
Stretch Factor (At recommended inversion pressures)	5-6%	Highly dependent on inversion pressure, length of install, and pipe diameter. Stretch will be limited to about 5% if the inversion rate is well controlled (slow). The larger the diameter and the longer the run, the more the material will stretch with speed.
Maximum Heat Assist Temperature (°F)	Not Recommended	Steam curing can be done but not recommended. Large voids in the host pipe paired with elevated installation temperatures may cause a failure. Contact representative to discuss specific application.

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

