



AQUACURE PU: POLYURETHANE COATED FELT LINER

PRODUCT DESCRIPTION

Polyester fiber Liner with Polyurethane coating custom sized for pipe rehabilitation manufactured in accordance with the current ISO 9001 Standards. To accommodate the requirement for liners of varying thicknesses multi-layer liners are employed using multiple polyester fiber rolls.

DIMENSION AVAILABILITY

	HOT CURE EVERSION	AMBIENT/WARM CURE EVERSION	HOT CURE DRAG-IN	AMBIENT/WARM CURE DRAG-IN
DIAMETER	4in to 100in	3in to 9in	6in to 72in	3in to 9in
THICKNESS	3mm to 50mm	3mm to 6mm	3mm to 12mm	3mm to 6mm
LENGTH	ANY	ANY	Up to 300 feet	Up to 300 feet
COATING WEIGHT	400GSM (NOMINAL)			
LINER DESIGN	Liner undersized <10%			
	Liner features a welded or stitched seam. Stitched liners only available up to 24in diameter.			
	Liner can negotiate pipe bends up to 45°			

INSTALLATION METHODS

LINER TYPE	RESIN TYPE		CURING REGIME				
	EPOXY	POLYESTER/VINYLESTER	HOT WATER <194°F	STEAM <194°F	AMBIENT	WARM WATER <122°F	WARM AIR ACCELERATED
HOT CURE EVERSION	✗	✓	✓	✓	✗	✗	✗
AMBIENT/WARM CURE EVERSION	✓	✓	✗	✗	✓	✓	✓
HOT CURE DRAG-IN	✗	✓	✓	✓	✗	✗	✗
AMBIENT/WARM CURE DRAG-IN	✓	✓	✗	✗	✓	✓	✓

TEST SPECIFICATIONS

	CHARACTERISTIC	TEST	STANDARD
ROLL	Density and density distribution at various applied pressures.	Compression measured at increasing pressure.	ASTM D5199
	Load at break in machine and cross directions.	Tensile testing - Maximum Resistive Force.	ASTM D5035
	Secant Modulus in machine and cross directions (resistance to stretch)	Tensile testing - Maximum Resistive Force vs Extension %.	ASTM D5035
	Coating weight and distribution.	Samples weighed to determine distribution of coating in cross direction of the roll.	-
	Coating adhesion and ability to weld.	Peel strength of welded tape.	ASTM D903
LINER	Density, Gauge of liner under various applied pressures.	Compression test of sample of all layers.	ASTM D1777
	Felt weld strengths.	Each weld is sampled and destructively tested.	ASTM D5035
	Sealing tape weld strengths.	Each weld is sampled and destructively tested.	ASTM D5035





APPLIED FELTS
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