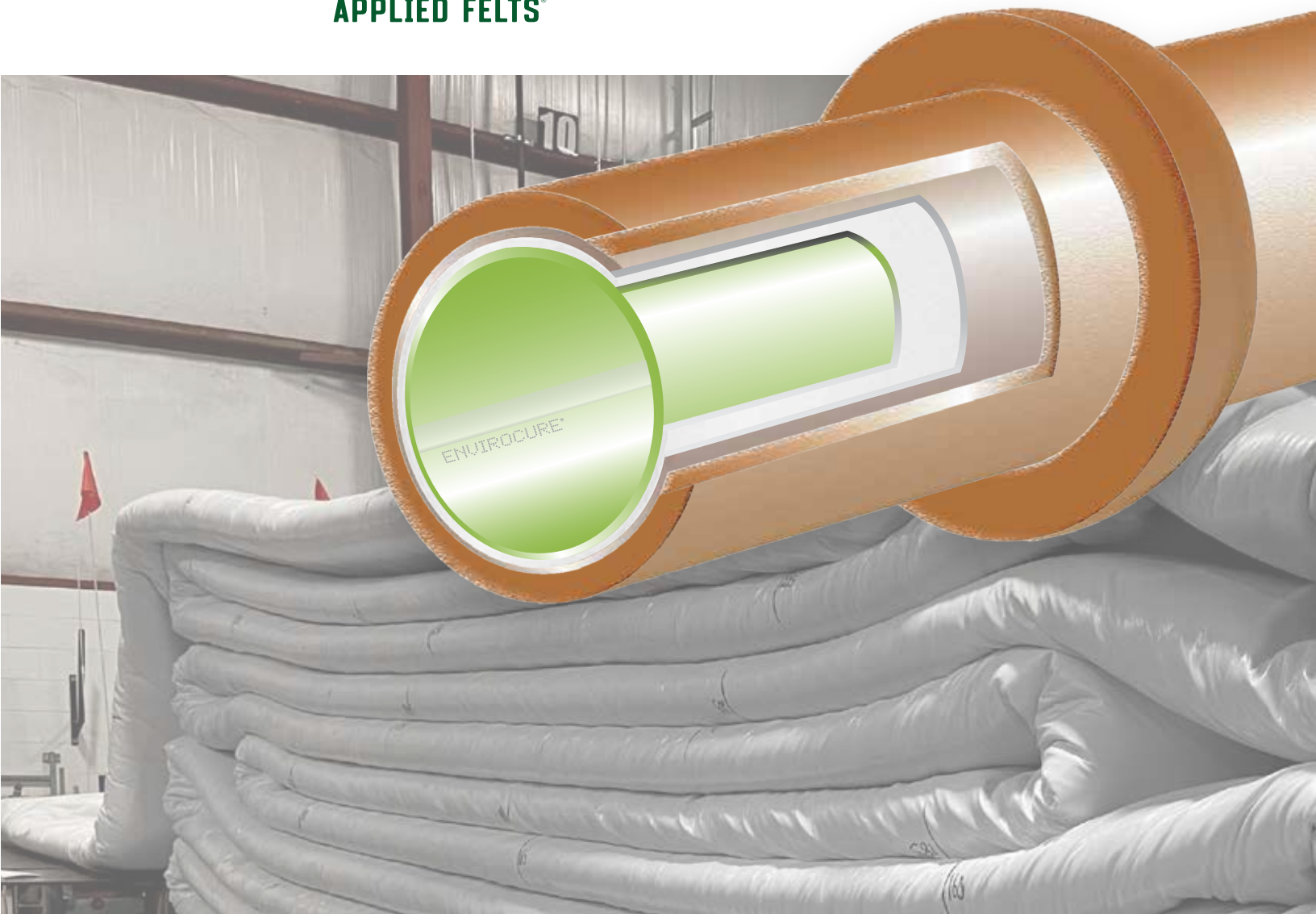




Your answer to
**CIPP styrene
emissions!**

EnviroCure[®]

Developed and
manufactured by



The Global Leader in CIPP Liners Introduces Groundbreaking Benefits to the Mainline CIPP Industry.

Applied Felts' proprietary all-felt or hybrid felt/glass liners coated with a styrene barrier, vastly reduces if not eliminates styrene odors and emissions on the jobsite before, during and after your installations - taking away the significant cost and unpredictability of styrene-free resin systems.

EnviroCure® is a heat-cured, STYRENE IMPERMEABLE polymer coating that eliminates styrene emissions and odor. EnviroCure® is manufactured by Applied Felts, Inc and wet-out by FerraTex Solutions.



EnviroCure®

EnviroCure® Test Results: Multiple Installations

Testing on the EnviroCure® product was conducted during multiple installations in consideration of the guidelines set forth by the United States Environmental Protection Agency (EPA) - Styrene Interim AEGL, National Institute for Occupational Safety and Health (NIOSH), Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs) and American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®).

At right is a sample result from a test site in Indianapolis, IN on a 12" EnviroCure® Installation without Pre-liner.

Location	Distance (ft)	Styrene (PPM)	Process
Trailer	0	0.69	12" Installation
Trailer	0	0	
Invert End	5	0	12" Heating/ Cooking
Invert End	15	0	
Invert End	15	0	
Clean Out	5	0	
Tail End	5	0	
Tail End*	10	1.12	
Tail End	15	0	12" Cooling
Tail End	3	0	
Invert End	0	0	
Clean Out	3	0	
Tail End	3	0	
Inside of CIPP	0	0	

* Head wind present

See Appliedfelts.com/your-answer-to-cipp-styrene-emissions-introducing-envirocure/ to view all test results.



EnviroCure® Specifications

EnviroCure is a polyester felt liner with multi-layer coating containing polyamide conforming to ASTM F1216 and ASTM F1743. To accommodate the requirement for liners of varying thicknesses, multiple layers of polyester felt are employed. Applied Felts is certified under the current ISO 9001 Quality Standard.

DIMENSION AVAILABILITY		
	HOT CURE INVERSION	HOT CURE DRAG-IN
DIAMETER	6 to 120 inch	6 to 72 inch
THICKNESS	3mm to 80mm	4mm to 60mm
LENGTH	ANY	Up to 300 feet
COATING WEIGHT	300GSM (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°	
	General sizing listed above; other custom sizes available	

INSTALLATION METHODS				
LINER TYPE	RESIN TYPE		CURING REGIME	
	EPOXY	POLYESTER/ VINYLESTER	HOT WATER <194°F	STEAM <266°F
HOT CURE INVERSION	✓	✓	✓	✓
HOT 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 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

For technical assistance, pricing, and custom design calculations for your unique project, please contact us today.

About Applied Felts

As the world's largest independent manufacturer of 100% vertically integrated quality liners, Applied Felts is accredited with ISO 9001:2008 and every phase of manufacturing - including our 28-stage QA/QC testing system - is done in one location, ensuring confidence that Applied Felts' quality liners will stand the test of time.

A pioneer in cured-in-place pipe technology, Applied Felts has been used successfully for more than 35 years in quality installations that could circle the earth - twice - all without disrupting roads or other existing infrastructure.



Advancing the CIPP Industry Since the 1970s.

From traditional all-felt and fiberglass reinforced AquaCure® to today's EnviroCure® liners, Applied Felts' culture of listening, innovating and growing to supply customers' needs is still in full force.

AppliedFelts.com | 276.656.1904 | info@appliedfelts.com