



**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now



**CIPP LINING**

(Sewer Rehabilitation Through Trench Less Technology)

**The Applied Felts Advantage.  
Confidence is our cornerstone.**



एक कदम स्वच्छता की ओर





ISO 9001: 2008  
FM 55735  
FM 588513

**Applied Felts India Pvt. Ltd.**

Shahpur Road, Sikri, Ballabgarh, Faridabad - 121004, Haryana, India

E-mail : [sales@appliedfeltsindia.com](mailto:sales@appliedfeltsindia.com), [info@appliedfeltsindia.com](mailto:info@appliedfeltsindia.com)

 : [www.appliedfelts.com](http://www.appliedfelts.com)

  : +91-8010888228



**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now



## ABOUT

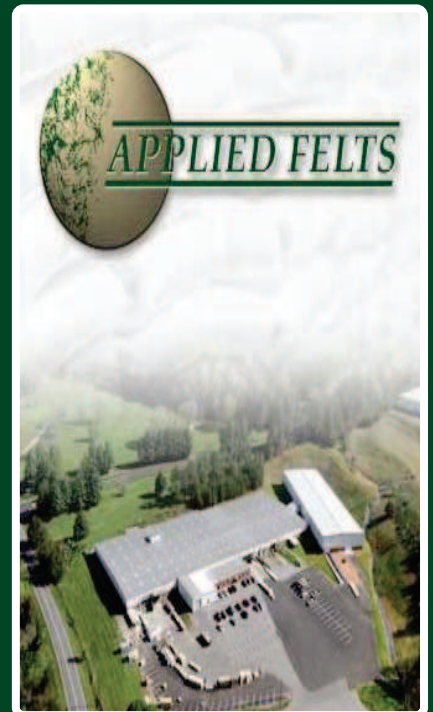
### We bring you global experience and a world of choices.

Our parent company, W.E. Rawson Group, was formed in the United Kingdom in 1865, manufacturing quality textiles for a number of applications. After more than a century of experience, this knowledge was expanded to help create the CIPP process, as well as its first liners. Now, nearly 40 years later, Applied Felts has become the international leader in supplying liners for successful CIPP installations around the world. In 1997 & 2005 Applied Felts expanded its business to the United States and India by adding a manufacturing plant in Martinsville, Virginia. and Haryana in India, This move opened up a whole new world of opportunity in what has become the world's largest market for CIPP rehabilitation. Our extensive history and experience give our customers peace of mind knowing that we are in their corner, allowing them to enter the market confidently, rely on us for training and support, and get the best custom liners to fit their unique needs.



### Working together towards successful Installation off CIPP Liner For Sewer Rehabilitation

The relationships we share with our clients boil down to one thing, Trust. We are confident that we manufacture the best liners available, but if we can't supply products that will successfully perform with our customers' practices to install them, no one wins. As a result, the purchase of quality Applied Felts liners is just the beginning of our customer relationships. We also serve as a complete solution provider, standing behind and supporting our customers every step of the way through our experience and industry affiliations. Each relining job is different, and almost always provides challenges and unique situations that require experience to get the job done right. So we are readily available to answer questions and make sure that installations are successful each and every time. Our clientele includes small contractors, large contractors, municipalities, and everyone in between, and they all know that we will be with them at every turn. Why? Because every job, large or small, is another chance to cultivate customer relationships, build the trust that will help us all succeed, and continue to grow the trenchless industry together.





**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now



## Manufacturing

Applied Felts is a 100% vertically integrated liner manufacturer, which guarantees that every phase of manufacturing – from the purchase of raw fiber to the coating and development of our liners – is done in one location, giving us impeccable precision and control over the quality products we make. Our innovative liners are subjected to a rigorous 28-stage testing system during every phase of the manufacturing process. We begin with the basics. First, we inspect and test raw materials, such as polyester fibers, polyurethane granules and other materials – as well as their suppliers -to ensure a superior quality basis for your felt liners. Next, during the five-stage felt production process, we test a number of criteria including density, thickness, fiber distribution evenness, strength and weld-ability of the finished felt. Next comes the coating of the felt. Applied Felts, Inc. utilizes a “single pass” extruded process to ensure that no pinholes are present. During this phase, four separate tests are conducted to monitor coating uniformity, mass and weight distribution. Once the felt has been coated, each roll is sampled and destructively tested across a total of nine quality characteristics, including density at various pressures, tensile strength, coating distribution and more. During production, the testing doesn't end. The liners are continually checked to ensure they satisfy the specifications of your order. Finally, when the project is complete, a sample is cut from each finished liner and is tested across yet another seven criteria to make sure the circumference, density, length, coating integrity, weld strengths and other properties meet and exceed your exacting requirements.



## R & D

At Applied Felts, we listen to our customers and use their feedback to help improve our existing technologies and create new ones that give them the competitive edge they are looking for. We know that in order to maintain our position as an industry leader, we need to be first to market with new innovations and technologies. Rehabilitated pipes currently come with a 50-year minimum life expectancy, and our goal is to continue to align with others in the trenchless industry to improve this performance and consistently bring our customer base new opportunities.



The Applied Felts Advantage.  
Confidence is our cornerstone.





**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now



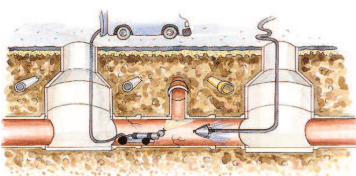
## AquaCure PS®

In response to growing industry demand, Applied Felts offers the newest innovation in CIPP liners for force mains and other pressure pipe applications, including non-potable water. AquaCure PS was developed by the world's leader in CIPP technology specifically for applications that must withstand higher internal pressures and deliver the best possible performance. In order for our liners to perform to your high standards, they must be custom designed to exacting specifications and installation requirements. With pressure pipe applications, diligence in assessing each unique CIPP project and providing custom liners that are value-engineered for each specific installation is more important than ever. We will work with you to understand variables such as internal operating and testing requirements, resin selection, appropriate layers of glass reinforcement and many other key factors in manufacturing your custom AquaCure PS liners. Why do we do this? Because your success is our success.



## AquaCure PW®

In response to growing demand, Applied Felts offers the newest innovation in CIPP liners for potable water applications. AquaCure PW® was developed by the world's leader in CIPP technology to incorporate quality liners with your NSF-certified system. In order for our liners to perform to your high standards, they must be custom designed to exacting specifications and installation requirements. With potable water applications, diligence in assessing each unique CIPP project and providing custom liners that are value-engineered for each specific installation is more important than ever. We will work with you to understand variables such as internal operating and testing pressure requirements, resin selection, appropriate layers of glass reinforcement and many other key factors in manufacturing your custom AquaCure PW liners. Why do we do this? Because your success is our success.





**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now

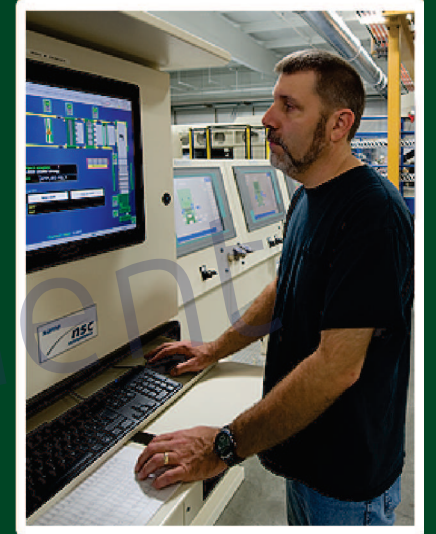
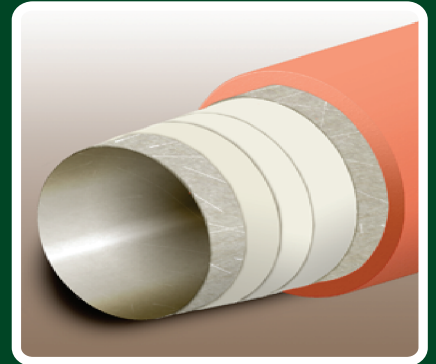


## AquaCure RP®

Applied Felts now offers the latest in CIPP liner innovation —AquaCure RP® — a breakthrough liner that 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.

## Custom Liners

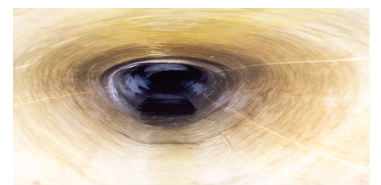
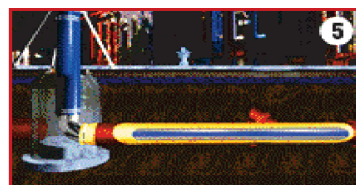
Let’s face it. Our business isn’t easy. Inconsistent pipe diameters, specialized sizes and fluctuating thicknesses can be a real headache. At Applied Felts we manage every phase of the manufacturing process in-house to offer unique solutions to unusual and exacting job conditions, with field-ready resolutions in mind. Just a few of the important steps we take include the following, We work closely with you to assess your unique job conditions and requirements. We then select the exact polymer granules and felt fibers that best suit your job. We manufacture the felt to your exact size and application specifications in-house for superior quality control. We then deliver to you a quality, custom-made finished liner that will stand the test of time. Applied Felts custom-produces felt liners to meet exacting conditions for pipes ranging from 10” to 120” in diameter, including:



## PRODUCT DESCRIPTION

### Product Type

<b>Liner Type</b>	<b>Hot Cure Eversion</b>
<b>Installation Method</b>	<b>Eversion using water or air</b>
<b>Resin Type</b>	<b>Polyester Resin</b>
<b>Diameter Range</b>	<b>250 to 3000 mm</b>
<b>Thickness</b>	<b>3 mm to 100 mm</b>
<b>Supply in India</b>	<b>300 to 2400 mm</b>
<b>Length</b>	<b>200 meters Maximum</b>





**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now



## Accessories

Applied Felts uses our precise manufacturing processes to create a full range of accessories produced to work with our felt liners in order to assist you on more intricate installations. The same rigorous testing and meticulous attention to detail go into every accessory we make to ensure reliable, superior job performance from start to finish. Among other available products, a few examples of these accessories include:

**Soft ends:** A soft end is a hold-back device applied to the end of a liner. It is used to control the rate of inversion once the installation has reached the halfway point. It is also used to attach the hold back rope and the re-circulating hoses. Each soft end is designed to support the impact of loading the liner will experience during both installation and cure.

**Turn ropes:** Turn ropes are installed on a liner to assist in turning the liner from the insertion manhole into the pipe to be relined. Turn ropes can be installed in such a manner that will allow the liner to turn in any one angle of a 360-degree arch.

**Pull tape:** A pull tape is an extremely strong rope or strap installed in the inner most layer of a liner. It is used to assist the inversion of low SDR liners. Pull tape is typically used in liners with small pipe diameter and thick pipe wall construction. Pull tape assist the un-inverted portion of the liner to invert through the liner smile.



## TECHNICAL DATE SHEET

Description	Result / Requirement
Pressure, Bar	@0.50
Composite Thickness	@0.50
Plant Felt	>500/>30% (Join Break & Elongation Test)
PU Coated Felt	>500/>20% (Join Break & Elongation Test)
Material Grade	ASTM-1216





**APPLIED FELTS**  
YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now

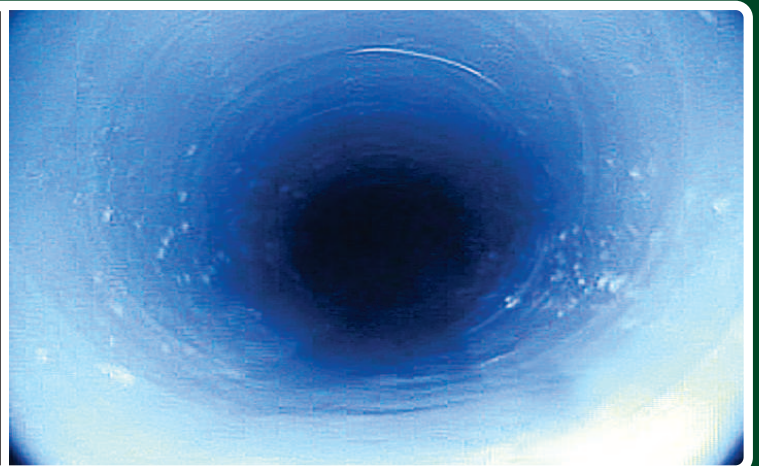
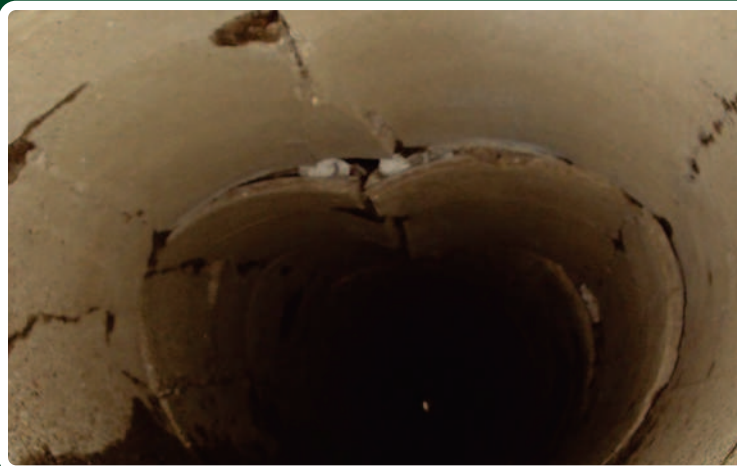
## The benefits

- Prevents Root Intrusion and Stops Leaks
- Increases Flow
- No digging or destruction
- Offers the Structural Strength of New Pipes
- Alternative to Sewer Drain/Rainwater Leader Replacement

## Did You Know ?

- The world's most popular method of pipe rehabilitation. Though newly introduced in India its history dates back to as far as 1975.
- This method is highly suitable for Sewerages rehabilitation technology.
- This is applicable to and has been successful for all shapes and diameters.

## Comparison Before After





**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

Remove Watermark Now



## Contact

### Applied Felts India Pvt. Ltd.

Shahpur Road, Sikri, Ballabgarh, Faridabad - 121004, Haryana, India  
info@appliedfeltsindia.com

#### United Kingdom Applied Felts, Ltd.

Castle Bank Mills, Portobello Road,  
Wakefield, West Yorkshire WF1 5PS  
info@appliedfeltsindia.com

#### United States Applied Felts,

Inc. 450 College Drive  
Martinsville, VA 24112  
info@appliedfeltsindia.com

## Technology Implemented State



**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS

### Applied Felts India Pvt. Ltd.

Cordially invite you to visit our Stall No. A-110, at

**14th International Exhibition & Conference  
on Smart & Sustainable City Solutions**

from 18th to 20th May 2017,

at CIDCO Exhibition Centre, Navi Mumbai, Maharashtra, India



Co-located with



Host State  
Government of Maharashtra





Remove Watermark Now



**APPLIED FELTS**

YOUR SUCCESS IS OUR SUCCESS



CIPP LINING

(Sewer Rehabilitation Through Trench Less Technology)



एक कदम स्वच्छता की ओर




ISO 9001: 2008  
FM 55735  
FM 588513

# Applied Felts India Pvt. Ltd.

Shahpur Road, Sikri, Ballabgarh, Faridabad - 121004, Haryana, India

E-mail : [sales@appliedfeltsindia.com](mailto:sales@appliedfeltsindia.com), [info@appliedfeltsindia.com](mailto:info@appliedfeltsindia.com)

 : [www.appliedfelts.com](http://www.appliedfelts.com)

 : +91-8010888228

Remove Watermark Now



Contact :

# Applied Felts India Pvt. Ltd.

Shahpur Road, Sikri, Ballabgarh,  
Faridabad - 121004, Haryana, India

[info@appliedfeltsindia.com](mailto:info@appliedfeltsindia.com)

Mob. : 8010888228



Co-located with



**Applied Felts India Pvt. Ltd.**

Cordially invite you to visit our Stall No. A-110, at

**14th International Exhibition & Conference  
on Smart & Sustainable City Solutions**

from 18th to 20th May 2017,

at CIDCO Exhibition Centre, Navi Mumbai, Maharashtra, India

Host State  
Government of Maharashtra



Government of  
Maharashtra

