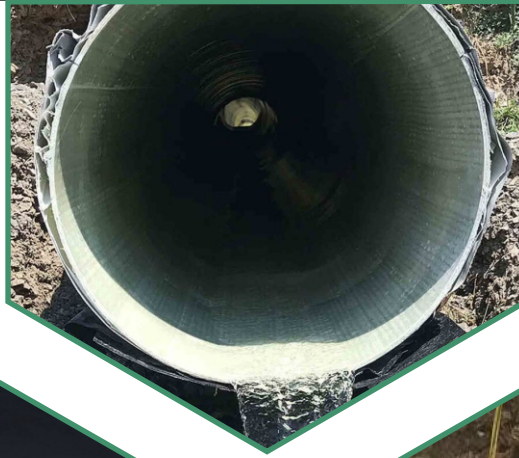




ANKIT POLYMERS

ELAST PRO™



ElastPro CIPP Liners

For Trenchless Pipe Rehabilitation

www.elastpro.com, www.elastpro.in

INTRODUCTION

Founded in 1997 by Mr. O. P. Yadav, a visionary and pioneer in the plastic sheet manufacturing industry, Ankit Polymers began with a mission to develop and manufacture high-performance specialty polymers that enhance the quality of life.

Mr. Yadav's successful ventures K.K. Sheets Pvt. Ltd., a global leader in precision nylon sheets, and Rashmi Fabrics Pvt. Ltd., a reputed manufacturer of flat nylon power transmission belts laid a strong foundation for technological innovation and quality excellence in Gurugram, India's millennium city.

Anticipating the growing need for advanced thermoplastic elastomer (TPE) and EVA-based materials, Ankit Polymers has evolved into a leading international manufacturer of high-performance polymer sheets and solutions. Our commitment to material innovation, product reliability, and customer satisfaction has positioned us as a trusted name across industries such as construction, interiors, infrastructure, and medical devices.

Today, Ankit Polymers proudly serves over one million satisfied customers worldwide, offering:

- Direct supplies to end users
- Private-label manufacturing for leading global brands
- Custom-engineered polymer formulations
- A robust distribution and service network across India and abroad

Expanding Horizons with Innovation – Introduction of ElastPro CIPP Liners

Continuing our legacy of innovation, Ankit Polymers proudly introduces its latest breakthrough under the brand ElastPro CIPP (Cured-In-Place Pipe) Liners.

The ElastPro CIPP Liners represent the next generation of trenchless rehabilitation technology for underground pipelines. Designed for sewage, drainage, and pressure pipelines, these liners enable non-invasive pipe renewal without excavation, drastically reducing downtime and environmental impact.

Manufactured using advanced Polyolefins and Polyester felt reinforced technology, our CIPP liners ensure:

- Exceptional tensile strength and flexibility
- Excellent chemical and abrasion resistance
- Superior bonding and curing performance under steam or hot-water conditions
- Extended service life and cost efficiency for municipal and industrial infrastructure

With ElastPro CIPP Liners, Ankit Polymers becomes one of India's first manufacturers to offer end-to-end CIPP solutions, from design and production to installation support, aligning with global trenchless technology standards.

Product Portfolio

- TPE Expansion / Construction / Movement Joint Tapes
- Felt-Reinforced TPE Joint Tapes
- Aluminium Expansion Joint Systems
- EVA Anti-Slip Shelf Liners / Drawer Mats
- Latex-Free TPE Medical Esmarch Bandages
- Latex-Free TPE Disposable Medical Tourniquets
- **ElastPro CIPP Liners (for Trenchless Pipe Rehabilitation Systems)**

Services

- Application and installation of all types of building and construction expansion joint systems
- Technical support and implementation of trenchless CIPP rehabilitation projects





ElastPro CIPP Liners by Ankit Polymers

Trenchless Pipe Rehabilitation, Redefined for India

Over the last 50 years, Cured-In-Place Pipe (CIPP) technology has revolutionized the way pipelines are rehabilitated worldwide. By creating a strong, seamless, corrosion-resistant pipe within an existing pipeline, CIPP provides a long-term solution without the need for costly, disruptive excavation. Across the globe, hundreds of millions of feet of pipelines have been restored using this method, proving its reliability, efficiency, and durability.

What Are CIPP Liners?

CIPP liners are flexible tubes made from premium materials such as polyester felt, polyolefins, and polyurethane coatings. These liners are impregnated with resin and installed inside the existing damaged pipeline. Once in place, the liner is cured using steam, hot water, or UV light to form a solid, leak-proof, and corrosion-resistant new pipe. The result is a fully restored pipeline with enhanced structural integrity and decades-long service life.

Applications Across India

ElastPro CIPP Liners are designed to meet the diverse pipeline needs of Indian cities:

- Gravity sewer mains and laterals: Restore aging or damaged sewer networks without excavation.
- Potable water pipelines: Safe, certified liners for drinking water systems.
- Industrial and effluent pipelines: Chemical-resistant liners suitable for industrial applications.
- Pressure pipelines: Flexible liners capable of withstanding internal pressures.
- Lateral and mainline pipes: Solutions for pipes of all diameters, from small laterals to large municipal mains.

Why CIPP is Ideal for India

Urbanization and aging infrastructure have placed immense pressure on India's water and sewer networks. Programs such as AMRUT, Namami Gange, and the Smart Cities Mission are driving large-scale pipeline rehabilitation across the country. CIPP technology offers a perfect solution:

- Minimal disruption in dense urban areas.
- Cost-effective rehabilitation compared to traditional open-cut methods.
- Rapid installation reduces project timelines and public inconvenience.
- Flexible applications across varied pipe materials, sizes, and environmental conditions.

The ElastPro Advantage

ElastPro CIPP Liners by Ankit Polymers combine global CIPP expertise with a deep understanding of India's pipeline challenges:

- Premium Materials: High-quality polyester felt, polyolefins, and PU coatings ensure durability, chemical resistance, and long-term performance.
- Custom Solutions: Liners tailored to pipe size, pressure, site conditions, and curing requirements.
- Advanced QA/QC: Every liner undergoes rigorous testing for density, strength, coating uniformity, and weld integrity.
- Technical Support: On-site training, SOP guidance, and 24/7 expert assistance ensure smooth, reliable installation.
- Efficiency & Cost Savings: Optimized liner thickness and resin usage reduce material costs, handling effort, and installation time.

A True Partnership for Success

At Ankit Polymers, we believe that successful CIPP rehabilitation is not just about supplying liners — it's about partnership, collaboration, and knowledge sharing. From raw material selection and manufacturing to installation support and after-project guidance, we work closely with contractors, utilities, and municipalities to ensure that every ElastPro CIPP Liner delivers exceptional, long-lasting performance.

Whether for gravity sewers, potable water systems, industrial pipelines, or pressure mains, ElastPro CIPP Liners provide a reliable, cost-effective, and durable solution — helping India's urban infrastructure grow stronger with minimal disruption.

HISTORY

CIPP Technology and the Innovation of ElastPro CIPP Liners by Ankit Polymers

The Cured-In-Place Pipe (CIPP) method revolutionized pipeline rehabilitation when it was first developed in 1971 by Eric Wood, founder of Insituform, with the first successful installation carried out in a London sewer. By 1976, this groundbreaking trenchless technology had reached the United States, where its first installation took place in Fresno, California.

For nearly two decades, Insituform held exclusive patents on the process, driving the foundation of what became a multi-billion-dollar trenchless rehabilitation industry. After the patents expired in 1994, global competition flourished, leading to rapid technological advancements and the worldwide adoption of CIPP as the most reliable and efficient method for pipeline renewal.

In the early years, the primary challenge was awareness educating engineers, municipal authorities, and contractors about the technical capabilities and long-term advantages of CIPP. Even today, organizations such as NASSCO (National Association of Sewer Service Companies) and NASTT (North American Society for Trenchless Technology) continue to expand education and training through inspector certification programs and best-practice courses. These initiatives have helped cities like New York and Columbus, Ohio, adopt CIPP-based rehabilitation on a large scale, setting global benchmarks for pipeline renewal efficiency and sustainability.

Ankit Polymers — Bringing Advanced CIPP Technology to India

Building on this global legacy of innovation, Ankit Polymers, under its specialized brand ElastPro, proudly introduces India's first indigenously manufactured CIPP Liners, designed to meet international trenchless rehabilitation standards.

The ElastPro CIPP Liners are a result of decades of polymer science expertise, engineered using advanced Polyolefins and Polyester felt reinforced composites. They are specifically developed for sewage, drainage, and pressure pipelines, providing a non-invasive, durable, and efficient solution for deteriorating underground infrastructure.

Key Features and Benefits of ElastPro CIPP Liners

- Trenchless rehabilitation – eliminates the need for excavation, minimizing surface disruption
- Superior strength and flexibility – reinforced for long pipe sections and varying diameters
- High resistance to chemicals, corrosion, and abrasion
- Optimized curing performance – compatible with steam, UV, or hot-water curing systems
- Extended service life with minimal maintenance requirements
- Eco-friendly technology reducing carbon footprint and waste generation

With the introduction of ElastPro CIPP Liners, Ankit Polymers brings world-class trenchless technology to India combining global know-how with local manufacturing excellence. Our commitment is to deliver reliable, cost-effective, and sustainable pipeline rehabilitation solutions that strengthen the nation's infrastructure for generations to come.



Choosing the Right Lining Material – The ElastPro CIPP Advantage

Selecting the right lining material for a Cured-In-Place Pipe (CIPP) rehabilitation project is never an “off-the-shelf” decision. Each pipeline network comes with its own challenges from pipe diameter, flow conditions, and accessibility to chemical exposure and service life expectations.

At Ankit Polymers, our ElastPro CIPP Liners are the result of extensive research and material innovation, designed to deliver customized trenchless rehabilitation solutions that go far beyond conventional standards.

The global evolution of CIPP technology since its introduction in the 1970s has opened the door to a wide range of liner materials each engineered to address specific site conditions while maintaining the core advantage of CIPP: renewing pipelines without excavation or surface disruption.

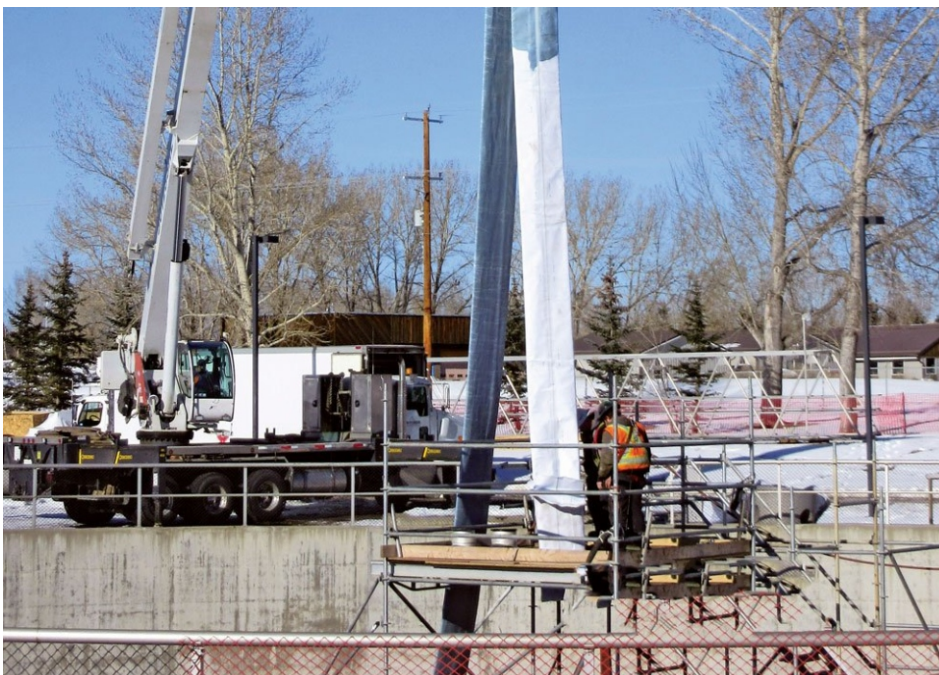
Traditional felt-based liners have proven effective for decades in the rehabilitation of gravity sewer lines, successfully extending the operational life of aging infrastructure. Building upon this strong foundation, ElastPro has taken CIPP liner technology a step further introducing advanced Polyolefins and Polyester felt reinforced liners that combine flexibility with exceptional tensile strength and chemical resistance.

Our ElastPro CIPP Liners are engineered not just for mainline sewer rehabilitation, but also for lateral connections and complex pipe geometries, ensuring a seamless, long-lasting lining system suitable for both municipal and industrial applications.

Why Choose ElastPro CIPP Liners?

- Tailor-made solutions for varying pipe diameters, flow conditions, and pressure classes
- Enhanced structural integrity through TPE and fiberglass reinforcement
- Superior flexibility allowing installation in tight bends and transitions
- Excellent curing adaptability with steam, UV, or hot-water systems
- Proven durability for sewage, drainage, and pressure pipelines

With ElastPro CIPP Liners, Ankit Polymers redefines trenchless rehabilitation in India — delivering world-class performance, local manufacturing expertise, and customized solutions built to strengthen infrastructure for the future.



Selecting the right CIPP Liner

Step 1: Understanding the Unique Characteristics of the Project

Before choosing a liner system, it's essential to evaluate multiple factors such as geographic conditions, climate, pipe material, and installation environment. Elements like seasonal temperature variations and local site constraints can greatly influence liner performance. Partner with experienced ElastPro CIPP liner specialists who provide custom-engineered solutions and work closely with you to identify the most effective product — or combination of materials — tailored to your specific project needs.

Step 2: Identify the Installation System Being Used

Not all CIPP installation systems operate the same way. Whether the work is performed by a contractor or a system owner, it's crucial to assess factors such as the availability and proximity of the wet-out facility, as well as the capabilities of the installation and curing equipment. A successful rehabilitation project depends on a comprehensive system approach — ensuring that the liner, resin, and auxiliary materials are of the highest quality and compatible with the selected installation method.

Step 3: Are the Raw Materials in Your Liner Truly Premium?

A CIPP liner's performance is only as strong as the materials it's made from. The most reliable liners come from manufacturers who maintain complete control over every stage of production — from sourcing raw materials to providing on-site technical support. At Ankit Polymers, our ElastPro CIPP Liners are produced using top-grade polyester fibers, TPE compounds, fiberglass reinforcements, and specialized resins, all of which are individually inspected and rigorously tested before manufacturing. This ensures unmatched quality, durability, and consistency in every liner we deliver.

Step 4: Explore Your Liner Options

Understanding the full range of options is essential when selecting a CIPP liner tailored to your project. The manufacturing process and materials can be customized based on specific installation and performance requirements. For example, choosing the right polymer coating is critical for compatibility with the resin system, as well as for the curing method. Similarly, the liner closure method — whether flame-bonded, sewn, or high-frequency welded overlap seams — plays a key role in installation flexibility. During curing, the pressurized flexible tube ensures the liner is firmly pressed against the host pipe, creating a durable, seamless, and long-lasting rehabilitation solution.

ElastPro CIPP Liners offer these customizable options, giving engineers and contractors the flexibility to select the ideal configuration for both pull-in-place and open-end (blind shot) installations.

Step 5: Ensure the Manufacturer Has a Robust QA/QC Program

A reliable CIPP liner is only possible when the manufacturer implements a comprehensive quality assurance and control program throughout production. At every stage, ElastPro CIPP Liners are rigorously tested for critical properties such as density, thickness, fiber distribution, tensile strength, and weld integrity. Coating uniformity, mass, and weight distribution are carefully monitored to eliminate pinholes or defects. Additionally, destructive testing is conducted under varying pressures to verify structural strength, coating consistency, and seam performance. Samples of the final product undergo a final round of verification for circumference accuracy, coating integrity, and overall quality, ensuring that every ElastPro liner meets the highest international standards for performance and durability.

Step 6: Partner with a Manufacturer That Stands Behind Its Product

Choosing the right CIPP liner goes far beyond the purchase itself — it's about building a strong, ongoing partnership with a manufacturer who stands fully behind their product. At Ankit Polymers, we ensure complete support at every stage: from selecting the optimal raw materials, managing precision manufacturing, and coordinating timely delivery, to training your installation team and providing technical assistance whenever needed. With ElastPro CIPP Liners, our goal is to help you rehabilitate pipelines efficiently, minimizing disruption, cost, and downtime, while maximizing the service life of your infrastructure. Selecting a liner is not a simple transaction; it's a collaborative process that combines engineering expertise, material innovation, and field experience. By choosing ElastPro, you gain more than a high-performance CIPP liner — you gain a trusted partner dedicated to delivering reliable, durable, and customized trenchless solutions, now and into the future.





ELAST PROTM



ANKIT POLYMERS

Ankit Polymers

Plot No. 83, Pace City 1, Sector-37, Gurugram, Haryana, INDIA-122001

+91-9873507113 / 9810396709 / 9811693280

www.elastpro.com, www.elastpro.in

ankitpolymers1997@gmail.com