



COMPOSITE SOLUTIONS FOR PIPE REHABILITATION

WHEN PIPE REHABILITATION GETS COMPLEX, MATERIALS MUST GET SMARTER

Pipe rehabilitation today is no longer about simply “making a liner fit”. It is about controlling variability, ensuring repeatability, and engineering confidence into every meter installed. Multiaxial non-crimp fabrics are not just reinforcements – they are a design tool to solve the most critical challenges faced by modern liner producers.

HOW SAERTEX MATERIALS HELP YOU OVERCOME TODAY’S NEEDS:

- ✓ **Predictable structural performance**
Defined fiber orientation ensures reproducible mechanical characteristics.
- ✓ **Reliable UV curing – even with thicker liners**
High translucency supports uniform curing across the entire wall thickness.
- ✓ **Excellent wet-out**
Precisely adjusted permeability enables uniform resin flow and consistent curing.
- ✓ **From fabric supply to technical partnership**
Application engineering support accelerates the development and qualification of new liners.
- ✓ **Adaptation to real pipe geometries**
High drapability ensures wrinkle-free processing for different diameters and shapes.
- ✓ **Global supply security**
Global production facilities ensure local availability and fast delivery.



SUSTAINABLE SOLUTIONS THROUGH TEXTILE KNOW-HOW

Sustainability is driven by reinforcement efficiency: controlled resin usage, less material, lower energy, longer service life – designed into the liner, not added afterwards. In modern pipe rehabilitation, sustainability is defined by material and process efficiency, not by the installation method alone.

✓ Resource-efficient structural design

Fibers are aligned in the direction of stress. This ensures less material usage with the same structural performance.

✓ Lower resin consumption

High fiber volume content reduces the energy-intensive resin consumption in the system.

✓ Extended service life

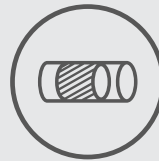
Long-lasting mechanical performance reduces future renovation requirements.

APPLICATIONS IN FOCUS



Pipe rehabilitation with GRP pipe liners

Our boron-free ECR glass fabrics form the basis of a large share of GRP pipe liners worldwide. Their outstanding impregnation behavior, high stretchability and excellent adaptability to the host pipe enable robust and reliable liners.



Patch repair

Our multiaxial glass fiber fabrics deliver high mechanical strength and excellent resin absorption. They enable precise repairs of small damaged sections and ensure a permanent, tight seal – even under demanding operating conditions.



Wrap-around/External rehabilitation of pipes

Our high-performance glass, carbon, and hybrid fabrics supports wrap-around external pipe rehabilitation. Customized ready-to-use tapes combine high tensile and torsional strength and adapt to pipe geometry for durable, stable repairs in demanding environments.



Inner rehabilitation of high-end pipes and manholes

For high-end inner rehabilitation, our technical fabrics combine workability, adhesion, and mechanical performance. Glass and carbon fabrics ensure homogeneous resin flow and excellent surface quality for durable, chemically resistant linings.

LET'S DEFINE THE RIGHT FABRIC FOR YOUR PIPE



Visit our website for more information.

REINFORCING YOUR IDEAS