



**SAERTEX®**

## 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**

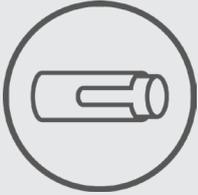
High drapability ensures wrinkle-free processing for different diameters and shapes.



#### **Global supply security**

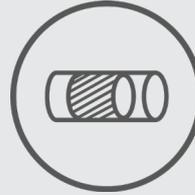
Global production facilities ensure local availability and fast delivery.

## APPLICATIONS IN FOCUS



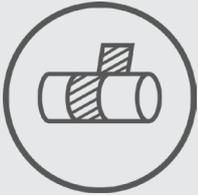
### Pipe rehabilitation with GRP pipe liners

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.

## 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.

LET'S DEFINE THE RIGHT FABRIC

FOR YOUR PIPE



For more information about Pipe Rehabilitation, please visit our website.

REINFORCING YOUR IDEAS