

ALPHALINER PN

Trenchless rehabilitation of pressure pipelines

SAFE AND COST-EFFICIENT REHABILITATION WITH UV RELINING

A reliable pressure pipeline is essential for the continuous transportation of fluids. RELINE offers an eco-friendly, quick and durable rehabilitation solution for pipes made of various materials with the Alphaliner PN. The UV relining process ensures protection for both people and the environment.

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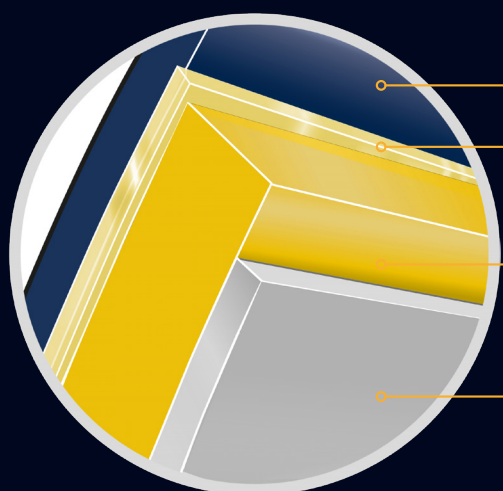


QUALITY

The Alphaliner PN is produced using a patented winding process that creates a particularly dense composite material with high stiffness and three-dimensional strength. This makes it ideal for quick and efficient installation in pressure pipelines. Optimized smoothness and surface homogeneity ensure improved hydraulic performance.

HIGHLIGHTS

- Designed for permanent static and dynamic loads
- Most sustainable and eco-friendly trenchless rehabilitation system
- High chemical and mechanical resistance for a long life cycle, based on a defined wear layer
- Continuous production of a seamless, factory-impregnated GRP liner
- Homogeneous and consistent wall thickness
- Minimal space and time requirements during installation and curing



FOUR STRONG LAYERS

UV light-proof, fabric-reinforced PVC outer protection

Multilayer polymer film with styrene barrier and UV protection

Impregnated and reinforced ECR glass fiber complex for absorbing static and dynamic loads

Thermoplastic, fleece-laminated inner coating, inseparably bonded to the ECR glass fiber complex

TECHNICAL DATA

ALPHALINER PN

Operating pressure	Up to PN 25
Negative pressure (vacuum)	Up to -0,9 bar
Diameter (DN)	200 – 800 Extension to 1200 currently in planning
Wall thickness (mm)	3,9 – 13 mm
Length	Up to 250 m
Fields of application	
Host Pipe	Concrete, steel, cast iron and other materials on request
Medium	Wastewater, greywater, cooling and fire water, as well as industrial and agricultural media
Profiles	Circular profiles
Application – Local Authorities/ Industry	UP Resin
Storage Stability	Up to 6 months

INNOVATIVE SOLUTIONS FOR SUSTAINABLE WATER NETWORKS

As a global leader in trenchless sewer and pressure pipeline rehabilitation, RELINE not only provides cutting-edge technology for the most challenging requirements, we also offer valuable planning assistance as well as the environmentally friendly execution of your rehabilitation works: A perfect combination that effectively supports the management of resources, time and budget restraints, while simultaneously delivering high-quality solutions which impress through their quality, flexibility and sustainability.

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