

SAERTEX-LINER® GAS

WRC-CERTIFIED



Pressure-resistant, fully structural and CO₂-optimized. The WRC-certified SAERTEX-LINER® GAS is the first choice for the trenchless rehabilitation of gas supply lines using the UV-CIPP process. Two liner options are available, each designed to match the specific application:

- Type S+: a cost-effective alternative for low operating pressures up to 2 bar
- Type S+ XR: engineered to accommodate higher pressures up to 33 bar

SAFE TOP PERFORMANCE

WRC-CERTIFIED FOR GAS APPLICATIONS

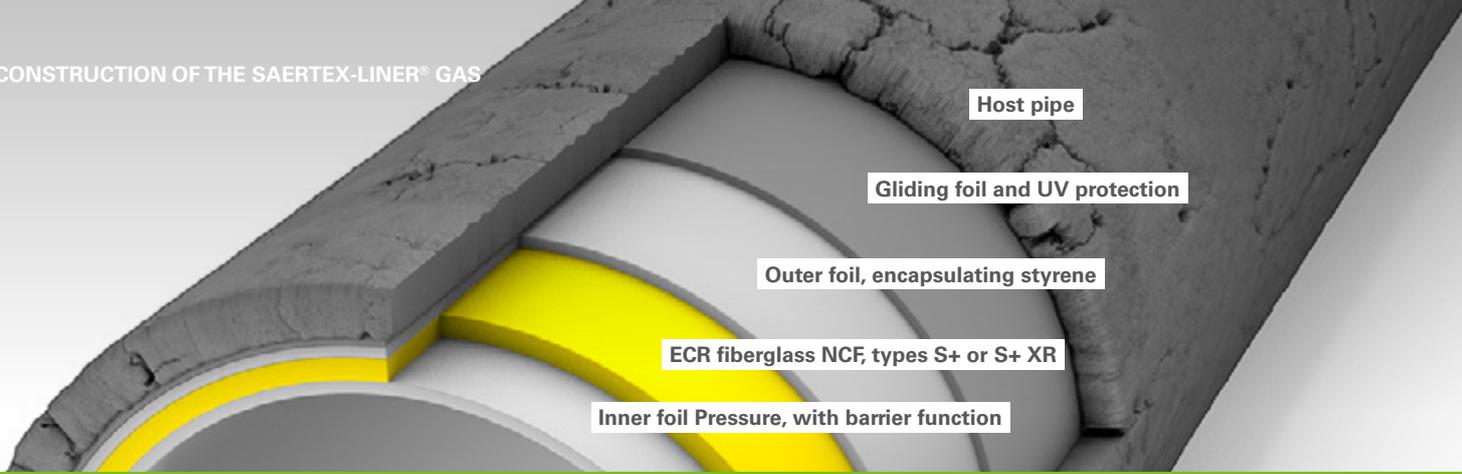
Our SAERTEX-LINER® GAS is certified by the independent Water Research Center (WRC) for the rehabilitation of steel and cast-iron gas supply lines. In addition to mechanical tests, the GRP pipe liner also fulfills the requirements for permeability and chemical resistance against a wide range of gases.

LOW WALL THICKNESS OPTIMIZES HIGH FLOW RATE

Smooth surfaces coupled with low wall thickness relative to diameter maximize flow rate in supply pipes.

CUSTOMIZED SOLUTIONS WITH SUPPORT SERVICES

You, too, can benefit from our wide range of additional services. Our experienced experts and engineers provide support to ensure the smooth progress of your construction project from conception to completion.



UV-CIPP FOR GAS PIPES

1 Select your UV-CIPP product application.

| PRODUCT APPLICATION | SAERTEX-LINER® GAS |
|-------------------------------------|--------------------|
| Utilization | Gas |
| Resin type | UP |
| Temperature and chemical resistance | WRc |
| Styrene-free | no |

2 Engineered to match profile, dimensions and application requirements.

| DESIGN | TYPE S+ | TYPE S+ XR |
|--------------------------------|-------------------------------|------------|
| Host pipe profile | Circular | Circular |
| Application | Pressure | Pressure |
| Operating pressure [BAR] | up to 2 | up to 33 |
| Fully structural* | ☉ | ☉ |
| Diameter [mm] | 250–1200 | 250–1200 |
| Structural wall thickness [mm] | 4–12 | 4.3–12.3 |
| Max. length [m] | up to 350 [longer on request] | |

3 Outer foils are standard. Inner foil can be selected based on application.

| FOILS | | |
|---|---|---|
| Outer foils: | | |
| – Integrated gliding foil for ease of installation, UV light protection | ☉ | ☉ |
| – Resin encapsulating barrier | ☉ | ☉ |
| Inner foil with barrier function: | | |
| – Pressure (permanent) | ☉ | ☉ |

| MECHANICAL CHARACTERISTICS | TYPE S+ and TYPE S+ XR |
|---|------------------------|
| Short-term circumferential E modulus [N/mm ²] | ≥ 20,500 |
| Long-term circumferential E modulus [N/mm ²] | 16,000 |
| Short-term bending E modulus [N/mm ²] | ≥ 16,800 |
| Short-term bending stress [N/mm ²] | ≥ 270 |
| Long-term bending stress [N/mm ²] | 210 |
| Reduction factor (acc. to DIN EN 761): | |
| – 50 years [after 10,000 h] | 1.28 |

* Design classification for pressure applications | Class IV AWWA M28

See a virtual lining project!



BENEFIT FROM OUR COMPREHENSIVE CUSTOMER SERVICE

PROJECT SUPPORT FROM BEGINNING TO END

- ☉ Engineering services, e.g. feasibility studies, structural calculations according to DWA and ASTM, approvals, etc.
- ☉ Practical training programs for your team
- ☉ Technical support from our application engineers
- ☉ UV-CIPP installation equipment to rent or buy

CLASS A: FULLY STRUCTURAL

The tight-fitting, independent pipe liner absorbs inner and outer loads and withstands pressures up to 33 bar. It is also certified to Class A (DIN EN ISO 11295) and to Class IV (AWWA M28).