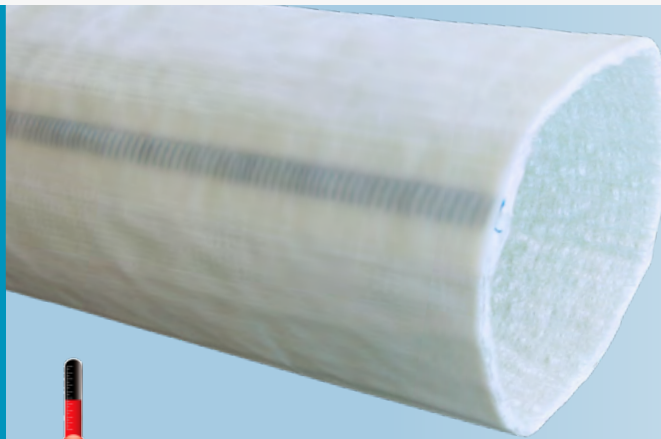


Trelleborg HybridLiner

**Glassfiber reinforced
liner for gravity and
pressure pipes**



Up to 110 °C [230 °F]

KEY FEATURES & BENEFITS

- **Maximum coating elasticity supporting bends up to 45°**
- **High temperature resistance**
- **Providing high mechanical properties**
- **Wall thickness only 4,5 mm**

APPLICATION AREA

- **Gravity and pressurized pipes**
- **Pipe diameters from 150 mm to 600 mm [6" to 24"], also for bends up to 45°**
- **Appropriate for hot water and steam curing**

DESIGN & FUNCTION

If you are looking for a competitive liner which ensures high mechanical properties for both gravity and pressure pipe renovation, the Trelleborg HybridLiner is the best solution.

The composite of woven chemically resistant (ECR) glass fiber layers and polyester needle fleece, with a PP-coating on one side, provides this liner with outstanding stability. Yet with the flexibility to handle bends up to 45 degrees.

Trelleborg HybridLiner is recommended to be used in combination with HC120 epoxy resin for optimum mechanical properties.

Offered in various diameters, the Trelleborg HybridLiner is suitable to repair pipes with a diameter of 150 – 600 mm (6 – 24 inches). Other dimensions can be manufactured upon request.

Its robust coating allows high curing temperatures with hot water or steam, it is heat resistant up to 110 °C/230 °F.

MATERIAL

- Composite of woven ECR-glass fiber and needle punched polyester fleece with polypropylene coating (PP)
- A Trelleborg quality product manufactured according to DIN ISO 9001 and ISO 14001

DIAMETER

- 150 mm to 600 mm [6" to 24"]

LINER UNDERSIZE

- 10 %

SUITABLE RESIN SYSTEMS

- Trelleborg Epoxy HC120 (comp. A + B)

CURING METHODS

- Hot water
- Steam curing

LENGTHS

Standard length is 100 m [approx. 328 ft]

STANDARDS & APPROVALS

- Long-term vertical crushing strength (20.000 h) acc. To DIN EN 761 and DIN 53769-3
- Material examination acc. ASTM F1216-09 with HC120
- Material examination acc. ASTM F2599-06 with HC120
- Material examination acc. ASTM F2561-06 with HC120

IN CONFORMANCE TO WORLDWIDE STANDARDS



DIN EN

CERTIFIED QUALITY MANAGEMENT



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