Trelleborg UltraFlex Liner

The ultimate liner for high demands

KEY FEATURES & BENEFITS

- **Precisely calculated longitudinal expansion**
- **Reliable attainment of the minimum wall thickness of 3 mm**
- **For all curing methods: cold, hot water and steam**

APPLICATION AREA

- **For pipes and sewers from DN 100 to DN 250 [2¾" to 10"]**
- **For vertical and horizontal pipe lines, also with bends up to 90° and dimension changes of up to 2 nominal widths**

DESIGN & FUNCTION

Its unique and newly formulated coating is extremely flexible, temperature resistant and translucent. It is therefore still suitable for cold, hot water and steam curing.

Whether vertical or horizontal pipes, it always reliably achieves a minimum wall thickness of 3 mm even with multiple 90° bends and/or dimensional changes and is characterised by its excellent, calculable longitudinal expansion.

For open-end installations, we recommend the Liner EndCap technology.

This cost-saving method eliminates the need for a calibration hose with the advantage that installation in bends is easier and the already low wrinkle formation can be reduced even further.

In combination with the resins developed and approved for the UltraFlex liner – Trelleborg Epoxy HC120+ for cold, water and steam curing – the liner develops excellent mechanical properties for a perfect rehabilitation result.

MATERIAL

- Silicone or Polyester fleece (three-dimensional) with extremely flexible TPU coating
- The coating serves as an installation aid

DIAMETER

- 100 mm to 250 mm [4" to 10"]

WALL THICKNESS

- Impregnation/resin quantity calculation: 4.5 mm
- Installed ≥ 4.0 mm
  (with the 2nd NW step ≥ 3.0 mm)

LENGTH

- Standard lengths 50 m (approx. 164 ft) and 100 m (approx. 328 ft)
  [actual lengths may vary]

CORRESPONDING RESIN SYSTEMS

- Trelleborg Epoxy HC120+ (comp. A + B)

CURING METHODS

- Ambient
- Hot water
- Steam curing

LINER ENDCAP TECHNOLOGY

- for curing with steam possible and recommended

IN CONFORMANCE TO WORLDWIDE STANDARDS

DIN EN

Deutsches Institut für Bautechnik DIBt

ASTM INTERNATIONAL Standards Worldwide

CERTIFIED QUALITY MANAGEMENT

Quality Management System DIN EN ISO 9001 certified

Quality Management System DIN EN ISO 14001 certified

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