

MultiFlex 3D Liner

QUICK OVERVIEW

Bendability



Temperature resistance in °C



Diameter changes *

■ 150 %

Final wall thickness \geq **

■ 3.0 mm

RANGES OF APPLICATION

- Underground-/ Down pipes with diameter change
- DN 30 to DN 200
[NPS 1.18" to 8"]

TECHNICAL SPECS

Installation pressure P_{Inst}

■ 0.3 – 0.7 bar / 4.35 – 10.15 psi

Curing pressure P_{Cure}

■ 0.3 – 0.4 bar / 4.35 – 5.8 psi

Maximum pressure P_{max}

■ 0.8 bar / 11.6 psi

Gap between calibration rollers

■ 7.8 mm



FIRST CHOICE FOR SMALL DIAMETER PIPES

Trelleborg MultiFlex 3D is the perfect product for the renovation of domestic sewage pipes (vertical and horizontal) with diameters from DN 30 to DN 200. Thanks to its optimized design and increased weight per unit area, a minimum wall thickness of ≥ 3.00 mm can be achieved at all times, which also makes it suitable for the renovation of ground pipes.

The highly flexible material ensures easy installation and the best possible lining with multiple bends up to 90° and up to two dimensional changes.

When curing with steam, the temperature limit of 80°C must be observed. At higher steam temperatures, it is essential to work with a suitable calibration hose to protect the hose from damage.

Please also note the technical data sheets and the information and notes in the processing manual.

PRODUCT INFORMATION

- Seam type: Sewn and taped (TPU)
- Coating: Polyurethan (PU) 250 µm
- Under size: 9 %
- Final wall thickness \geq^{**} : 3.0 mm
- Temperature resistance: up to 80 °C (176 °F) ,
up to 100 °C (212 °F) if cal tube is used

NOMINAL DIAMETER AVAILABILITY

- DN 30 to DN 200 [NPS 1.18" to 8"]

HOSE LENGTHS

- Standard lengths 90 m
[approx. 295 ft – actual lengths may vary]

SUITABLE RESIN SYSTEMS

- Trelleborg Epoxy FC15/ 30 (Comp. A + B)
- Trelleborg Epoxy HC120+ (Comp. A + B)
- Trelleborg Epoxy BC15/ 30/ 60 (Comp. A + B)
- Trelleborg EasyPox (Comp. A + B)
- Trelleborg RayCure (one component resin)

CURING METHODS

- Ambient
- Hot
- Steam
- UV-Hg/ LED

EPOXY RESIN CONSUMPTION

- DN 50 – 70: approx. 0.50 kg/m
- DN 70 – 100: approx. 0.75 kg/m
- DN 100 – 150: approx. 1.02 kg/m
- DN 150 – 225: approx. 1.54 kg/m
- DN 200 – 300: approx. 2.06 kg/m

RAYCURE UV-RESIN CONSUMPTION

- DN 50 – 70: approx. 0.47 kg/m
- DN 70 – 100: approx. 0.72 kg/m
- DN 100 – 150: approx. 0.97 kg/m
- DN 150 – 225: approx. 1.47 kg/m
- DN 200 – 300: approx. 1.97 kg/m

5 % loss in length for every 25 % change in dimension.

The values given above are affected by the resin used, the pipe size, and the temperature of the resin and the environment.

IN ACCORDANCE WITH GLOBAL STANDARDS



CERTIFIED QUALITY



* Please note that the expansion of the hose liner when changing dimensions will always affect the final wall thickness. The thinning of the liner can be counteracted by using larger quantities of resin.

** Provided that the relevant installation regulations are complied with (see manual)



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