Technical Data Sheet

Boldan 3D Liner 3,5 mm

DN 30 - 50, DN 45 - 70, DN 50 - 70, DN 60 - 90, DN 63 - 100, DN 70 - 100, DN 90 - 125, DN 95 - 150, DN 100 - 150

APPLICATION AREA

- Suitable for repairing rainwater and waste sewages and pipes
- Boldan 3D Liner SN4 is a PU-coated felt liner designed for use in Cured-in-Place-Pipe (CIPP) applications
- Liner can be cured with steam, hot water or air, according to the instructions of Boldan's application manual

STRUCTURE

- Max. temperature in steam or hot water hardening: 60°C / 140°F
- Liner must be protected from radial expansion (inspection hatches etc.)
- Liner must be protected from leakage water with preliner
- For size modification, we suggest using a calibration hose
- Allows resurfacing even with 90° angles, with almost wrinkle-free final result
- Installation pressure: 0,4 - 0,8 bar / 5,8 - 11,6 psi
- Hardening pressure: 0,4 - 0,6 bar / 5,8 - 8,7 psi
- Maximum pressure: 1,5 bar / 21.76 psi
- Gap between calibration rollers: 7,6 mm
- Epoxy consumption approx.:

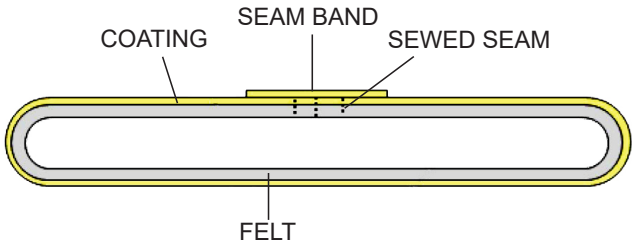
30 - 50	0,30 kg / m	0.20 lb / ft
45 - 70	0,55 kg / m	0.37 lb / ft
50 - 70	0,50 kg / m	0,34 lb / ft
60 - 90	0.60 kg / m	0.40 lb / ft
63 - 100	0,80 kg / m	0.54 lb / ft
70 - 100	0,80 kg / m	0.54 lb / ft
90 - 125	0.90 kg / m	0.60 lb / ft
95 - 150	1,20 kg / m	0.80 lb / ft
100 - 150	1,20 kg / m	0.81 lb / ft

- Calculated length reduction with a larger proportion approx. - 10 % of the length, whereby the liner retains its original wall strength even in a bigger section
- The values given above are affected by the epoxy used, the pipe size, and the temperature of the epoxy and the environment

RESIN COMPABILITY

Compatible with the following epoxy resins:
Boldan Oy:
BDA / BD / BDA + / BX / BE / BF / BA / BC / B1
Trelleborg Pipe Seals GmbH:
EPROPOX FC15 / EPROPOX FC30 / EPROPOX HC120
SewerTronics™ Ep 1k epoxy resin

STRUCTURE OF LINER



PRODUCT INFORMATION	
Country of origin	Finland
Base material	100 % polyester
Liner coating	Polyurethane
Material thickness	3,5 mm with coating

COATING

- Compability of this liner is tested positively with these resin systems
- If this liner is about to be used with other resin systems, the compability must be tested first
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SHIPPING, STORAGE, HANDLING

- Material has to be protected from chemical or mechanical attacks such as UV-light, moisture and climate changes
- Store in dry and cool place max. + 5°C – + 25°C / 41°F - 77°F
- Liner storage time is 12 months (if the storage time exeeds, we are not responsible of possible damages occured)