

# Technical Data Sheet

## Boldan 1D Liner SN4

(Flexi FR Tube)



### APPLICATION AREA

- Suitable suitable for lining sewer- and rainwater pipes inside the building
- Boldan 1D Liner SN4 is PU coated felt pipe or so called liner, that has been reinforced with longitudinal seam for CIPP-usage
- 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: 65 °C / 149 °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 - 0,7 bar
- Hardening pressure: 0,3 - 0,5 bar
- Maximum pressure: 0,8 bar
- Gap between calibration rollers: 7.0 mm
- Epoxy consumption:
 

50	0,50 kg/m
70	0,75 kg/m
100	0,95 kg/m
150	1,50 kg/m

### RESIN COMPABILITY

This liner can be impregnated with following manufacturers resin systems:

Boldan Oy

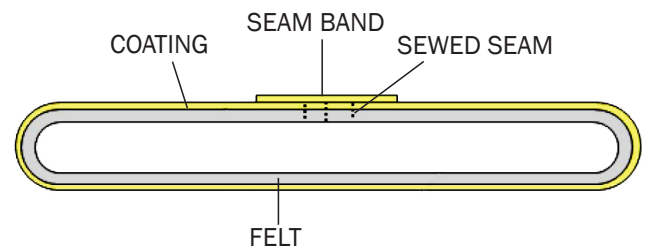
- BDA/BD 15, BDA/BD 30, BD/BDA45, BDA/BD 60
- BDA+ 15, BDA+ 30, BDA+ 60
- BD+ 15, BD+ 30, BD+ 60
- BX 10, BX 15, BX 30, BX 60, BX 180
- BE 15, BE 30, BE 60, BE 180
- BA 10, BA 15, BA 30, BA 60, BA 140
- BC 15, BC 30, BC 60
- B1 15, B1 30, B1 60, B1 180

### 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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### STRUCTURE OF LINER



### PRODUCT INFORMATION

Country of origin	Finland
Base material	100 % polyester
Liner coating	Polyurethane
Material thickness	3,5 mm with coating
Weight of felt	330 g/m <sup>2</sup> +/- 10 %
Weight of coating	265 g/m <sup>2</sup> +/- 10 %
Seam	Standard sewer seam

### 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. 25 °C)
- Liner storage time is 6 months (if the storage time exceeds, we are not responsible of possible damages occurred)