

Technical Data Sheet
Boldan 3D Liner 3,5 mm
1¼" - 2" - 3" - 4" - 6"



APPLICATION AREA

- Suitable for repairing rainwater and waste sewages and pipes
- Boldan 3D Liner 3,5 mm 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: 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.:

1¼" - 2"	0.20 lb/ft
2" - 3"	0.34 lb/ft
3" - 4"	0.54 lb/ft
4" - 6"	0.80 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

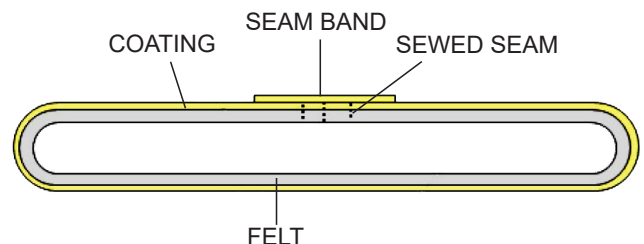
Compatible with the following epoxy resins:
Boldan Oy:
BDA / BD / BDA + / BX / BE / BF / BA / BC / B1
Trelleborg Pipe Seals GmbH:
EPROPOX FC15 / EPROPOX FC30 / EPROPOX HC120
SewerTronics™ Ep 1k epoxy resin

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

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 exceeds, we are not responsible of possible damages occurred)