

TECHNICAL DATA SHEET

BLUELINE

STANDARD EPOXY RESIN

Revised: 03/2017



PRODUCT INFORMATION

DESCRIPTION

Blueline is an environmentally friendly pipe relining solution. There is no excavation or destruction required therefore it causes minimal disturbance to the building, staff or occupants.

RECOMMENDED APPLICATIONS

- High temperatures and acid pipes
- Drainage systems – sewerage and stormwater
- High pressure networks
- Structural Pipes
- High wear and high impact pipe systems
- Trade waste
- Marine Pipes
- Oil and gas Pipelines
- Pool Pipes

PRODUCT DATA

TYPICAL PHYSICAL PROPERTIES

- Nuflo's Blueline Technology restores structural integrity, prevents joint weakening, has a smooth transition to host pipe and prevents root intrusion and water infiltration.
- Can be installed on junctions, bends, horizontal or vertical pipes in one complete application.
- Can be installed on pipes with multiple bends, elbows, branches and transitions in pipe diameter.
- Blueline allows installers to stop and start at any point within the pipe to give greater flexibility with sectional lining.
- Increases water flow.
- Once a job is finished Nuflow provides pre and post CCTV footage as proof that it is completed to



TECHNICAL DATA SHEET

STANDARD EPOXY RESIN

Revised: 03/2017

MECHANICAL SPECIFICATIONS

The Nuflow Blue line Liner made of a new generation of nonwoven staple fibre geotextiles. Manufactured from 100% Polyester and/or Polypropylene needle fibres, they have a unique staple fibre blend and an inbuilt flexibility. The Texcel® geotextiles also have high elongation properties minimising installation damage. Also, option to add woven high-performance glass fibre for increase external load and internal pressure strength. The values below outline the specifications for standard liner:

CHARACTERISTIC	UNIT	VALUE
Coating		PET+BOPP
Thickness of coating	µm	75
Installed Wall Thickness	mm	Approx. 4.0 + 0.5 (can be designed to any thickness)
Welded and Taped	mm	20mm welded seem covering tape
Diameters	mm	DN40 up to DN1800
Length*	m	Up to 50m
Ability		All bends and Traps
CIPP Stiffness***	N/m ²	DN100 = 8,234
	N/m ²	DN150 = 3,924
Maximum Temperature**	°C	≤ 60
CIPP life expectancy	Years	50+
Flexural Strength	Mpa	55 (standard 4mm thick liner)
Flexural Modulus	Mpa	2,350 (standard 4mm thick liner)
Shrinkage	%	Epoxy resins shrink less than 1%
Design Standards		ASTM F1216, AS/NZS 2566, ASTM F1743
Approvals		40/20, Watermark

APPROVALS & CERTIFICATIONS

- AS/NZS 4020
- AS/NZS 2566
- WMTS-518:2016 WaterMark Technical Specification
- ASTM F1216
- ASTM F1743

SAFETY REQUIREMENTS

- Avoid breathing vapour and contact with skin and eyes. Wear suitable protective clothing, gloves and eye and face protection when mixing or using. Refer to MSDS and TDS for further information.

STORAGE & HANDLING

- Store in tightly closed, original container in a cool ventilated area.
- Keep containers clear of explosives, food, oxidising agents and organic peroxides.

* In a single length. Installed length has no limit.

** Installed use. Results tested to DIN EN ISO 75-2.

*** Unless otherwise stated, all technical data were determined at + 23 °C and 50% rel. air humidity. Results tested to ISO 7685.

Resins used in BlueLine: Standard, Potable, High Temp/Acid Resistant and High Wear/ High Impact