

TECHNICAL DATA SHEET

SUMOLINE

Revised 05/2022

Sumoline is Nuflow's strongest CIPP relining system. It has been specifically designed to structurally repair built infrastructure where load-bearing capacity is critical.

PRODUCT INFORMATION

Recommended Applications

- Medium to large bore stormwater and sewer pipes
- Road and rail infrastructure
- Box culverts
- Manholes
- DN300 up to DN1800

Approvals and Certifications

- AS/NZS 2566
- ASTM F1216
- ASTM F1743

Features and Benefits

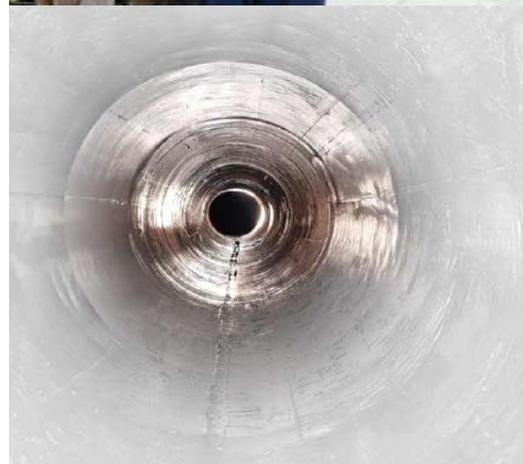
- It is manufactured, installed and guaranteed locally; which means end-to-end solutions, faster response times and easy resolution of issues
- Offers the flexibility needed to accommodate clients' specific needs, in terms of not only product design/adaptation but also installation process
- Custom designed solutions for unique and extremely challenging circumstances. Engineer signed off for Liner Design to required standard eg. AS/NZS 2566, ASTM F1216 fully/partially deteriorated pipes
- Once a job is finished, Nuflow provides pre and post CCTV footage
- Sumoline will not shrink

SAFETY REQUIREMENTS

- Avoid breathing vapor and contact with skin and eyes.
- Wear suitable protective clothing, gloves and eye and face protection when mixing or using.
- If swallowed, rinse mouth, do not induce vomiting
- Refer to SDS of chosen resin 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



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MECHANICAL SPECIFICATIONS

Nuflow's Sumoline is made from advanced composites and geotextile materials. In addition, 100% solid epoxy is used to create highest structural strength per mm thickness. Whilst we note Sumoline Standard, Advanced and Manhole applications below, Sumoline can be specified incorporating a range of Nuflow 100% solids epoxy resins.

TYPICAL PROPERTIES

	Method	Nominal Value Sumoline Standard	Nominal Value Sumoline Advanced	Nominal Value Sumoline Manhole
Appearance		Liquid	Liquid	Liquid
Colour Part A		White	White	White
Colour Part B		Opaque	Opaque	Dark grey
Mixed colour		Off White	Off White	Grey
Solid content by weight (%)		100	100	100
Nominal Flexural strength Sumoline (MPa)	ISO 178	110	200	100
Nominal Flexural modulus Sumoline (MPa)	ISO 178	5,000	8,000	4100
Nominal cured liner thickness (mm)		5.5	8.0	-
Maximum service temperature (°C)		45	45	55
Minimum application temperature (°C)		0	0	0
Maximum application temperature (°C)		40	40	45
Mixed Density (kg/litre)		Dependent on resin chosen	Dependent on resin chosen	1.02
Shelf life (months) Part A / Part B		24	24	24/12

GENERAL PREPARATION

- Surface to be cleaned and free of oil, grease and loose flaky materials.
- Use jetting and mechanical abrasion to create a suitable high-quality bonding profile prior to application.

