nuflow®
WE FIX PIPES

PRO_LINE®

TECHNICAL DATA SHEET

UV-CIPP Liner

Pro Line is a market leading manufacturer of UV liner which has been developed for the trenchless rehabilitation of traditional corrosion-sensitive materials like concrete, clay, asbestos and steel pipes. Manufactured using reinforced Fibreglass our UV liner's outperform the strength of conventional liner materials and is suitable for all traditional pipes from DN 150 through to DN 2000.

PRODUCT INFORMATION

RECOMMENDED APPLICATIONS

- DN150 – DN2000
- Drainage systems – sewerage and stormwater
- Trade Waste

STANDARDS, CERTIFICATES AND APPROVALS

- WRC PT/522/0923
- GB/T 1449-2005 1040.4-2006
- DWA-A 143-3 Clause 72.9

PERFORMANCE

- Corrosion-free and chemical resistant
- Resistant against UV light and abrasion
- Fast curing leading to reduced installation times
- Lightweight, which minimises transport and installation costs
- Superior hydraulic flow due to smooth inner surface
- Outstanding long-term stiffness
- Exceptionally long design life of 50 years with a track record across any environment

TYPICAL PROPERTIES	METHOD	VALUE
Dimension		DN150 – DN2000
Wall Thickness		3.0-18mm
Glass Content	DIN EN ISO 1172	57% +/- 5% (mass related)
Weight per unit area of glass per mm wall thickness		950g/m2 +/- 15%
Remaining Styrene Value		4 mass-%
24h-tendency to creep	DIN EN ISO 899-2	<5%
E-module short-term E01		18000 N/mm2
E-module short-term E50		15000 N/mm2
Flexural Strength 01		360 N/mm2
Flexural Strength 50		290 N/mm2
Reduction Factor A1		0.8
Variants		UP
Flexural E-module short-term	DIN EN ISO 178	16000 N/mm2
Curing Method		UV Light
Shelf Life		12 Months
Chemical Resistance	ISO 11296-4:2018 DWA-A 143-3 EN 295-3:2012	Suitable for typical sanitary sewer flows
Warranty		Up to 25 Years ** Subject to design in accordance with AS/NZS2566.1 and project specifications.*

RESEARCH AND DEVELOPMENT TEAM
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GENERAL PREPARATION

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

HEALTH AND SAFETY

- Avoid contact with the skin, eyes and avoid breathing vapour.
- Wear protective gloves and glasses when mixing or applying the product.
- If swallowed, rinse mouth, do not induce vomiting.
- If on skin (or hair) remove / take off immediately all contaminated clothing. Rinse skin with water / shower.
- If inhaled, move to fresh air and keep at rest in a position comfortable for breathing.
- If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- For advice contact a poisons information centre on 13 11 26 (Australia) 0800 764 766 (New Zealand) or a doctor at once.

Refer to Safety Data Sheet for specific and further first aid instructions.

CLEANING

Clean up uncured material and equipment immediately after use with a solvent based cleaner.
Do not use solvents on skin.

STORAGE AND HANDLING

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