TECHNICAL DATA SHEET

WovoGlass™

Ultra-Flexible, Circular-Knitted, Polyester and Fiberglass Liner

DESCRIPTION

WovoGlass™ is an ultra-flexible liner, uniquely bonded to a seamless impermeable polyurethane coating which is 3x stronger than traditional liners. The circular-knitted construction of polyester and extensible fiberglass reinforcement makes it ideal for transitioning several pipe diameters and lining around multiple bends up to 90°. This liner is manufactured in accordance with ISO9001:2015.

DIMENSION AVAILABILITY: TYPICAL RESIN & ROLLER GAP INFORMATION

WOVOGLASS	TYPICAL INSTALLED THICKNESS	TYPICAL RESIN SATURATION			ADDITIONAL INFO	
PIPE DIAMETER (INCHES/MM)		LITERS PER METER	KG/M IF SG 1.2	LBS/FOOT IF SG 1.2	ROLLER GAP	SUPPLY LENGTHS
3”/70mm	3.5mm	0.79	0.94	0.75	9mm	328’/100m
4”/100mm	3.5mm	1.06	1.27	0.90	9mm	328’/100m
6”/150mm	3.5mm	1.61	1.93	1.30	9mm	328’/100m
8”/200mm	3.5mm	2.16	2.59	1.70	9mm	328’/100m

INSTALLATION METHODS

	RESIN TYPE			CURING PROCESS				
WOVOGLASS	EP	UP	VE	HOT WATER <176°F 80°C	STEAM & AIR <176°F 80°C	AMBIENT	WARM WATER	LED CURE
HOT CURE INVERSION	✔	✘	✔	✔	✔	✔	✔	✔
HOT CURE DRAG-IN	✔	✘	✔	✔	✔	✔	✔	✔
DRAG - IN	✘	✘	✘	✘	✘	✘	✘	✘

- We recommend that all wovoglass installations should be supported at all positions outside of the pipe being lined.
- If not a blind shot, it is important to evert the product in longitudinal tension in order to avoid wrinkling.
- Compatibility of specific resins should be verified.

LINER PREPARATION & INSTALLATION

- A suitable holdback should be employed and should be paid out in tension with air or water pressure as below.
- Site circumstances, such as ground water head, should be considered when selecting an appropriate installation head.

MAXLINER®

WOVOGLASS	MINIMUM INVERSION HEAD (WITH HOLDBACK TENSION)		MAXIMUM INVERSION OR CURE HEAD		RECOMMENDED CURE HEAD	
DIAMETER	PSI	BAR	PSI	BAR	PSI	BAR
3”/70+mm	3	0.2	6	0.4	4.5	0.3
4”/100mm	3	0.2	6	0.4	4.5	0.3
6”/150mm	3	0.2	4.5	0.3	3	0.2
8”/200mm	3	0.2	4.5	0.3	3	0.2

STORAGE/HANDLING

Avoid Extremes of Temperature

- Freezing may cause the coating structure to degrade locally, especially areas where the coating is in tension or compression – at bends and edges, and immediately adjacent to seam welds.
- Recommended storage temperature 40°F – 95°F | 4°C – 35°C.
- Shelf life at this temperature: in excess of 1 year.

Avoid Extremes of Humidity

- Very high relative humidity (especially at high temperatures such as tropical countries) will accelerate the degradation, consequently reducing the shelf life.
- Recommended storage humidity 25% rh – 65% rh.
- Shelf life at 65%, 95°F | 35°C: in excess of 1 year.

Avoid Prolonged Wet Storage

- As with high humidity, the coating is more susceptible to degradation at higher temperatures, and even further susceptible if temperature of liquid in contact is significantly above or below 45°F | 7°C. Wet storage is not recommended.

Avoid Direct Sunlight

- Prolonged exposure to the sun’s ultraviolet light will accelerate the degradation of the coating. Store away from direct sunlight, preferably in dark conditions.

MECHANICAL DAMAGE SHOULD BE AVOIDED

- Ensure that liner is not placed directly onto grit or gravel floor – sweep and cover floor first.
- Ensure personnel are instructed not to walk on or smoke around the liner.
- Handle with care and always ensure safe transport.
- Ensure any rollers are clean, and the liner is not in contact with any sharp edges or snags anywhere during use.

CHEMICAL ATTACK

Avoid prolonged contact with solvents and chemicals.

TECHNICAL SUPPORT

Call technical support with additional questions at 877.426.5948.

DISCLAIMER

The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto. Exact coating type and thickness depend on the specific types of resin being used. Always read, understand, and comply with hazard warnings described in the products’ Safety Data Sheet(s) before use.