



Alphaduct Fiberglass Lateral CIPP Solutions

Alphaduct

HammerHead Lateral CIPP Solutions are an engineered composite consisting of a specialized textile tube and formulated thermosetting resin. HammerHead's resin systems are VOC-free and may be cured under ambient thermal conditions, by hot water circulation or by photo-initiation with a specific spectrum of LED blue light. The resin system and curing method are selected based on installation conditions and the desired working and cure times. The CIPP is designed to withstand all external loads including hydrostatic, soil, and live loads in accordance with ASTM F1216, Appendix X1. Corrosion and heat resistance properties of the installed CIPP are optimal for municipal sewer and commercial drain, waste, and vent application environments.

ALPHADUCT LINER

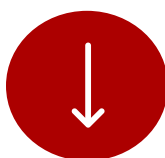
Invertible, seamless glass textile liner designed and developed for use with LED, ambient and hot water curing methods. This liner can be used in applications 3 to 18 inches in diameter, installs with single or multiple bends up to 90° and host pipe configurations that require up to multiple diameter transitions (for example, 6"-9" or 8"-12"). The tube has a polyurethane coating compatible with all HammerHead supplied resin systems.

PRODUCT BENEFITS

This invertible glass liner is extremely flexible and adapts perfectly to bends of up to 90° with minimal folds or wrinkling. As an installer you can maintain optimal wall thickness with inversion pressures as low as 3psi even with a change of pipe dimensions. Alphaduct fiberglass liner is available in nominal installed thicknesses of 2, 3, 4 and 5mm, depending on the product, diameter and application.



Seamless Glass
Construction



Reduced
Resin Usage



Transitions up
to 50% in size



All Cure:
BlueLight,
Ambient & Hot
Water



Negotiate
Multiple 45° &
90° Bends



PRODUCT DATA SHEET

Alphaduct Fiberglass Lateral CIPP Solutions

PRODUCT OFFERINGS

Alphaduct is available in 328'/100m rolls.

Tube	Tube Material	Tube Coating	Technical Characteristics	Bends		Cure Method
				45°	90°	
Alphaduct Liner	ECR Fiberglass	TPU	LED light cure seamless fiberglass tube for multiple bends and size transition applications. High flexibility with ability to transition up to 50% in size.	X	X	Heat Light Ambient

*ECR: E-Glass Corrosion Resistant

Tube	Available Diameter (in.) x Nominal Thickness (mm)						
	2	3	4	5	6	8	12
Alphaduct Liner		3" to 4" 2mm	4" to 6" 2mm 3mm		6" to 9" 3mm	8" to 12" 4mm 5mm	12" to 18" 4mm 5mm

Shelf Life and Storage

Fiberglass Tube: One (1) year when stored protected from light at 40-80°F (5-27°C) and less than 65% relative humidity.

Bluelight Resin Impregnated Fiberglass Tube: Thirty (30) days when stored at 40-70° F (5-21°C).

Safety

Refer to the Safety Data Sheets for these products for safety and health information prior to use. Follow all notices on the Safety Data Sheets (SDS). If you do not understand or cannot adhere to the guidelines and procedures for handling and use of these products in strict accordance with the SDS, do not use these products. Contact HammerHead® at 800-331-6653 for a copy of the SDS.

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