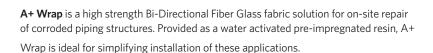
Milliken Infrastructure

A+ Wrap™

Composite Repair System for Pipelines



OIL, GAS + INDUSTRIAL



MECHANICAL PROPERTIES	METHOD	VALUE
Tensile Strength	ASTM D 3039	51,800 psi
Tensile Modulus	ASTM D 3039	3.01 x 10 ⁶ psi
Poisson's Ratio	ASTM D 3039	0.77
THERMAL PROPERTIES	METHOD	VALUE
Thermal Expansion	ASTM E 831	10.2 um/m/°C Heat
Distortion Temperature	ASTM D 648	205°C (400°F) Max
Operating Temperature	ASTM PCC-2	185°C (365°F) Application
Temperature	-	-50°F up to 120°F
		(49°C with working
		temperature up to 365°F)
SYSTEM PROPERTIES		
Ply Thickness	22 mils (0.022 inches)	
Working Time	20 - 30 minutes	
Set Time	1 hour	
Cure Time	24 hours	
Shelf Life	One Year @ 40 - 75°F	

Available in widths from 2 - 12 inches



Typical Uses

The A+ Wrap system is most commonly used for pipelines and piping systems suffering from corrosion or mechanical damage. Repairable defects include:

- External corrosion and pitting
- Dents, gouges and scratches
- Manufactured defects

Benefits

- Ready to use
- Water activated pre-impregnated fiber allows for easy installation
- Can be applied on dry or wet surfaces, even underwater
- Can be applied at temperatures up to 120°F but works up to 365°F
- Up to 30 minutes working time once pouch is opened
- Sets withing an hour and cures fully after 24 hours
- Used frequently as part of a custom designed repair
- Conforms to any shape including elbows, tees, flanges, bends & more



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Stocked Sizes