www.synthoglass.com.pl

Family Brand	Product Name	Primary Use	Per Ply Thickness	Max Temperature	Fabric Description	Resin Description
Clock Spring®	Clock Spring	Metal loss and small deformations	0.075 in. (1.9 mm)	201°F (94°C)	Unidirectional (hoop) Fiberglass	Pre-cured Polyester
	Clock Spring HT			264°F (129°C)	Unidirectional (hoop) Fiberglass	High-temp pre-cured Vinyl Ester
	SnapWrap	Metal loss and small deformations with limited thickness availability	0.075 in. (1.9 mm)	201°F (94°C)	Unidirectional (hoop) Fiberglass	Pre-cured Polyester
	SnapWrap HT			264°F (129°C)	Unidirectional (hoop) Fiberglass	High-temp pre-cured Vinyl Ester
A+ Wrap™	A+ Wrap	Metal loss and small deformations including non-straight geometries	0.014 in. (0.35 mm)	194°F (90°C)	Bi-directional fiberglass	Moisture cured Polyurethane
	A+ Max		0.027 in. (0.69 mm)	194°F (90°C)	Tri-directional fiberglass	Moisture cured Polyurethane
Atlas™	Atlas	Large deformation and crack/crack-like features	0.017 in. (0.43 mm)	180°F (82°C)	Bi-directional carbon fiber	High-strength epoxy
	Atlas HT			450°F (232°C)	Bi-directional carbon fiber	High-temp epoxy
	Atlas UA	Circumferentially oriented crack-like features and axially dominated repairs	0.016 in. (0.41 mm)	180°F (82°C)	Unidirectional (axial) carbon fiber	High-strength epoxy
	Atlas UA HT			448°F (231°C)	Unidirectional (axial) carbon fiber	High-temp epoxy
Contour Apex™	Contour Apex	Metal loss and small deformations	0.042 in. (1.07 mm)	212°F (100°C)	Multidirectional Fiberglass	High-strength epoxy

COMPOSITES REPAIRS

Addressable Defects

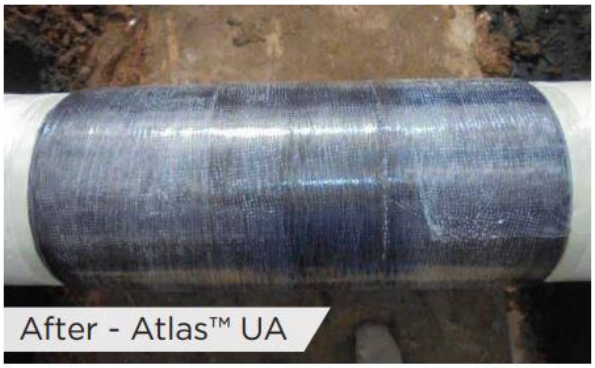
- Corrosion / Erosion
- Dents / Wrinkle Bends
- Cracks or Crack-Like Features
- Seam and Girth Weld Defects
- Manufactured Defects
- Gouges / Metal Loss

Tested for Pipelines

- With high continuous pressure
- With high cyclic pressure lines
- With high temperatures ranges
- Above ground or buried
- Near- or Underwater lines
- Under axial or bending loads
- Located in Geohazards

Defect Type Overview	
Metal Loss:	Corrosion | Internal wall loss | Gouges | Minor manufacturing defects | Abrasion
Deformation:	Plain Dents | Dents on weld | Buckles | Ovality concerns | Wrinkle Bends (hoop)
Crack/Crack Like:	Seam-weld anomolies | SCC | Plain body cracks | Laminations | Severe manufacturing defects
Axial Dominated:	Girth weld anomolies | Geohazards | Bending loads | Thermal cycling | Wrinkle Bends (axial)

uszkodzenia



wgięcia

zgięcia, zmarszczenia na rurociagach

działanie czynników zewnętrznych (ziemia)