

FURS Composites for Repair & Protection are designed for the highest level of performance and protection capabilities. The products are fully engineered and manufactured at our facility in the Southeastern US. With over 90 years of continuous product development and manufacturing experience we are proud to offer products that reflect this commitment to quality. FURS has the internal capabilities to complete the process of weaving the fiberglass fabrics all the way through impregnation with the desired urethane.

FURS Composites is committed to ensuring that our customers receive the products that meet or exceed the challenges of their application. We are excited about bringing our manufacturing acumen and product development experience to the market for repair & protection of pipelines and infrastructures.



Abrasion Resistant Outer Wrap (ARO) designed to protect your pipeline coating during installation by means of horizontal directional drilling (HDD), boring or other aggressive techniques.

- ⇒ Impact & abrasion resistance
- ⇒ Easy to apply (no messy mixing)
- ⇒ Application in most any weather condition, including underwater
- ⇒ Contains no solvents
- ⇒ Compatible with most all substrates
- ⇒ Non toxic
- ⇒ Excellent adhesion
- ⇒ Long term protection
- ⇒ Works up to 250°F temperature
- ⇒ Made in the USA

Applications:

- Pipeline Protection
- Structural Supports
- Abrasion Resistance
- Mechanical Protection
- HDD Pipe Coating Protection



The FURS Protect HD is a specialty designed fiberglass reinforced fabric that is pre-impregnated with a water activated resin that cures to create an abrasion and impact resistant protective overcoat. The FURS Protect HD is designed to be applied over or in conjunction with the corrosion prevention coatings to add additional mechanical protection. It is applied directly out of the bag and requires no additional mixing. The products can be applied over FBE, shrink sleeves, viscous elastic wraps, wax tapes, epoxies and more.

Total Thickness		70 mil
Thickness per Layer		35 mil (23 mil /w/o resin)
Service temperature		250°F
shelf life		2 yrs.
working time @ 70°F		4-5 min
UV Stable		Yes
Resin type		MCU
Color	Visual	black
Impact Resistance	D7136	1146 pounds
Abrasion Resistance	ASTM D4060 - 95	1250 cycles/mil
Compressive Strength	D695	16230 psi
Compressive modulus	D695	2.42.Msi
Tensile Strength	ASTM D3039	35,970.00
Tensile Modulus	ASTM D3039	2,190,000.00
tensile elongation		1.65%
Shore D Hardness	ASTM D2240	82
Lap Shear	ASTM D5868	908
shear	ASTM 5379	4730 psi
shear modulus	ASTM 5379	91.15 Msi

In most circumstances ready for pull-back within 30 min.

FURS® Protect HD

Handling & Storage:

- Store product in a cool dry place in original packaging. Do not store in humid environment or at temperatures below 0°C.
- Avoid Excessive heat and do not allow product to freeze.

Product Sizes:

- 10" x 15', 10/case
 - 10" x 30', 6/case
- Custom sizes available

FURS Composites

PO Box 896094
Charlotte, NC 28289-6094
www.FURScomposites.com
336-721-1611
Toll Free: **888-611-1323**
johnnglass@FURScomposites.com



2

FURS Composites is dedicated to manufacturing the highest quality products for the repair and protection of energy & industrial infrastructures. We are committed to ensuring that our customers receive products that meet or exceed their quality requirements.