

PRODUCT DATA SHEET

CORRO-WRAP COMPOSITE WRAPPING SYSTEM



DESCRIPTION:

Corro-Wrap, a fiberglass / carbon fiber cloth impregnated with a water activated urethane resin and is used as a protective outer wrap in conjunction with Corro-Dur 563/911 proprietary load transfer coating agents. Corro-wrap is an innovative system that offers exceptional mechanical and impact strength for under water, under ground and above ground corrosion protection coating application and pipeline / riser rehabilitation. Wall loss due to external corrosion can be rectified with high performance epoxy system like Corro-Fix 911 and Corro-Dur 563.

FILLERS/EPOXY LOAD TRANSFER AGENTS

CORRO-FIX 911

A highly modified "5 minute" type repair compound reinforced with Kevlar micro fibers and formulated for strength and versatility under adverse condition.

CORRO-DUR 563

A high build version of 258 to withstand heavy abrasion, chemical attack above or below water over a wide range of substrates to a maximum temperature resistance of dry 120 ° C / wet 70 ° C.

CORRO-DUR 258

A high performance easily applied thin film solvent free coating reinforced with Kevlar fibers to achieve outstanding tensile & chemical resistance coupled with wear resistance over a wide range of substrates above & below water.

END USE APPLICATIONS :

CORROSION, INSULATION, SEALING / REHABILITATION & WATERPROOF PROTECTION FOR:

- Pipes, flanges, joints and valves, under water, above & below ground.
- Under water pipelines and platform rig superstructures.
- Concrete, steel & wooden pilings, in the splash zone, above & below the water line.
- Tie rods, bar reinforcing rods, cables & ground anchors.
- Structural beams, dolphins, columns & posts.
- Jetty, bridge & pier pilings, as well as, superstructure supports.
- Oil, gas, water & chemical pipelines, under water, above & below ground.
- Municipalities, water & waste water treatment-piping systems.
- Industrial & institutional plant, piping & duct systems.

BENEFITS:

- Excellent mechanical properties.
- Resistant to temperature extremes.
- Easy to apply, no mixing or messy clean up.
- Resistant to water, acid, salts or soil organic.
- Can be applied to wet surfaces and under water / splash zone.
- Minimal surface preparation required.
- Quick, long term protective coating, ready for immediate service.
- Contains no solvents.
- No VOC's and non-hazmat shipping

Sole Asian Representatives:

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SPECIFICATIONS

Corro Wrap

Material	Woven Glass Bi-axial Fabric	Stitched Carbon Uni-Axial Fabric
Shear Modulus	8, 594 MPa	30, 238 MPa
Tensile Modulus	22 345 MPa (3.24 x 10 ⁶ psi)	78 620 MPa (11.4 x 10 ⁶ psi)
Tensile Strength	54, 000 psi	123, 000 psi
Tensile Load, per ply	694 pounds	3, 320 pounds
Compressive Strength	28, 500 psi	20, 000 psi
Interlaminar Shear	2, 900 psi	2, 800 psi
Ply Thickness	0.011 inches (11 mils or 0.28 mm)	00.027 inches (27 mils or 0.69 mm)
Working Time	60 minutes package open time, dependent on ambient humidity	
Cure Time	30 minutes nominal after water application	
T _g	142 °C (288 °F)	
Primer Lap Shear	1000 psi (carbon steel)	
	500 psi (concrete)	
Chemical Resistance	Resistant to: Acetone, MEK, Toluene, Gasoline, Ethyl Alcohol, HCL (call for additional chemicals)	
Shelf Life	One year if stored between 40° - 80°F and aluminum pack is not punctured. Do not use if product is hardened. Rotate stock for best results.	
Available Sizes	4" x 15'	10" x 90'
	4" x 30'	10" x 120'
	4" x 50'	10" x 150'
	6" x 30'	12" x 30'
	6" x 60'	12" x 60'
	6" x 90'	12" x 90'
	10" x 30'	12" x 120'
	10" x 60'	12" x 150'

*Complete training and certification services in accordance with all existing D.O.T. requirements are offered.