

# Avoid Downtime



## Carbon Fiber Composite Repair Solution







for Marine Applications

- Corrosion barrier for degraded piping
- Repair and upgrade various shapes
- Avoid unplanned shutdowns
- No HOT WORK required
- Installed with common tools in less than 30 minutes
- Engineered to ASME Standards
- ABS Design Approved



**STRUCTURAL COMPOSITE  
REPAIR SYSTEM**

## HYDRAWRAP® INSTALLATION PROCEDURE

<p><b>Prep Surface</b> Identify and mark area for repair. Prep surface to give clean dry white metal with rough profile. All sharp edges are to be removed and any voids filled with putty.</p> <p><b>Measure Fabric</b> around area to be repaired providing at least two layers of fabric. Cut fabric to desired length.</p>	
<p><b>Combine and Mix Primer</b> Segregate Primer containers from Wet-Out containers. Pour contents of one container of A side Primer into one container of B side Primer. Scrape out A side container ensuring any residual contents are combined with B side. Mix with jiffy mixer until color is uniform throughout. 1-2 minutes.</p>	
<p><b>Apply Primer</b> using supplied spreader to the prepped surface ensuring complete coverage and no drips or runs.</p> <p><b>Combine and Mix Wet-Out</b> using same procedure as was used for Primer. Thoroughly mix with Jiffy mixer for 2 minutes.</p>	
<p><b>Apply Wet-Out to Fabric</b> Lay out dry fabric on clean non porous surface (table covered in plastic) and saturate with Wet-Out using supplied spreader. Ensure fabric is completely saturated then squeegee out excess resin. Role fabric on cardboard tube or roller.</p>	
<p><b>Install Saturated Fabric</b> Center fabric over repair. Wrap around with consistent uniform pressure. Ensure fabric is snug around pipe. Two wraps will give the minimal 2 required layers of fabric. More layers will provide additional structural support. Leave 1" exposed primer on either side of fabric. Any entrapped air is worked out of fabric by applying pressure via spreader.</p>	
<p><b>Cure</b> A top coat can be applied to the repair after 3 hours. HydraWrap will develop full physical properties within 24 hours of application.</p>	

### COMPLETE LINE OF HYDRAWRAP KITS:

- Standard HydraWrap
- Mid-Temp HydraWrap
- Marine HydraWrap
- E-System HydraWrap (Fiberglass Composite)
- Acid Resistant HydraWrap
- High-Temp HydraWrap
- Sub-Sea HydraWrap