



## CORRO WRAP WL

Corro Wrap Wet Lay-Up is an engineered composite repair system where dry fiber - E-Glass, Basalt, or Carbon Fiber are field-saturated with Corroserv range of epoxy resins to suit the specific requirements of the repair - high temperature services, sweating pipes, etc.

Corro Wrap WL is a versatile solution for leak sealing and rehabilitation of pipes including complex geometry such as tees and flanges, pressure vessels, and other static equipment.

### THE FIBRE

The fibre provides strength and stiffness to reinforce the matrix



E-Glass



Basalt Fibre



### THE MATRIX

The Matrix, also known as the Resin, is the agent that holds the fibre in place and allow the transfer of load or pressure through the reinforcement fibre. Corroserv have diversified range of resins to suit the repair requirement. The most regularly used resin includes:

#### **Corro Dur 192L**

Corro Dur 192L formulation has excellence tolerant to dampness which allow for application in the presence of moisture. Corro Dur 192L can be applied and will cure underwater. The formulation is solvent-free with no objectionable odour and other hazards possessed by epoxy solvents.

#### **Corro Dur 199**

Epoxy system with the same features as Corro Dur 192L except that it has higher resistance against aggressive chemicals including Hydrochloric Acid, Sulphuric Acid, Caustic Soda and others.

#### **Corro Chem 330 HHA**

High temperature resistance Novolac epoxy system that can be applied online without a shutdown at temperature up to 125°C for (continuous) and 149°C (intermittent).

#### **Corro Dur 2000**

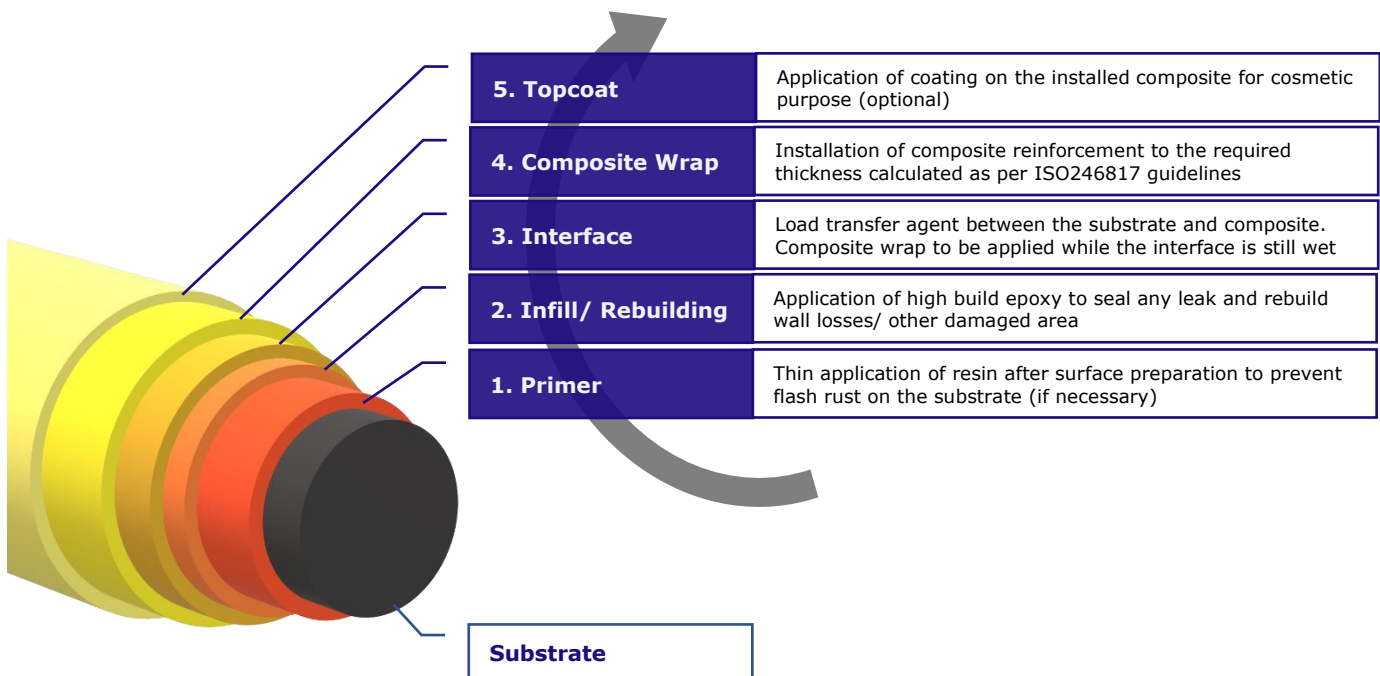
Specially formulated moisture tolerant epoxy system that can be applied online without a shutdown at temperature up to 121°C for (continuous) and 204°C (intermittent). Corro Dur 2000 can be applied and will cure underwater.

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## TECHNICAL DATA

CRBX800 (E-Glass, Biaxial)	<b>Reinforcement Fibre</b>	Bas-Rap (Basalt, Uni-Directional)
0.7 mm	<b>Ply Thickness</b>	0.28 mm
85 – 90 shore-D	<b>Shore-D Hardness</b>	85 – 90 shore-D
Up to 260°C	<b>Temperature Resistance</b>	Up to 260°C
539,000 kPa	<b>Tensile Strength</b>	607,000 kPa

## SYSTEM BREAKDOWN



## KEY BENEFITS

- Corro Wrap WL calculations and design are verified by American Bureau of Shipping (ABS) and has been issued Product Design Assessment (PDA)
- Designed as per **ISO 24817** and **ASME PCC-2** guidelines
- Customised/ tailored to suit the specific requirement or condition
- Zero downtime – can be installed with minimal disruption to the operation of the piping system
- Online application reduces production loss by end user
- Applicable on and will cure even underwater\*
- Excellent mechanical properties
- Excellent chemical resistance







\*Depending on the type of resin used

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## APPLICATION FIELDS

- Repair and rehabilitation of damaged and corroded pipelines, pressure vessels, tanks
- Repair and rehabilitation of subsea and above water risers
- Rehabilitation of pipe elbows, tees, flanges, valves, & other complex geometry fittings
- Internal lining of pressure vessels & tanks
- Repair and rehabilitation of civil structures

## TRACK RECORDS

 <p>Before</p>	 <p>After</p>	<table><tbody><tr><td>Pipe Size</td><td>: 12" x 10"</td></tr><tr><td>Pipe Material</td><td>: SS304</td></tr><tr><td>Operating Pressure</td><td>: 10 Bar</td></tr><tr><td>Operating Temperature</td><td>: 60°C</td></tr><tr><td>Repair System</td><td>: CRBX192L</td></tr></tbody></table>	Pipe Size	: 12" x 10"	Pipe Material	: SS304	Operating Pressure	: 10 Bar	Operating Temperature	: 60°C	Repair System	: CRBX192L
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For more information, please contact our representative:

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We are specialized in online repair services/maintenance as we can offer comprehensive engineering services for the offshore, marine, petrochemical, power generation, food processing, palm oil processing and other industries throughout the region.