

<b>Client:</b> <i>Enbridge Offshore</i>	<b>Industry:</b> <i>Offshore</i>
<b>Scope:</b> <i>Sweating Pipelines</i>	<b>Date:</b> <i>September 2013</i>
<b>Location:</b> <i>Gulf of Mexico</i>	<b>Products:</b> <i>Epo-chem™ RS 500P &amp; RA 500M</i>

## Overview

Corroded meter skid consisting of 16" sweating pipeline and 14" pipeline (along with riser) required a corrosion protection system with minimal surface preparation which could be applied to both wet and dry substrate.

## Challenge

Working in the Gulf of Mexico with humid weather conditions combined with constantly wet "sweating" substrate.

## Solution

Using **Epo-chem™** solvent-free, wet & rust tolerant epoxy system; one coat of **Epo-chem™ RS 500P** was applied @ 6 mils (150µ) DFT followed by one coat of **Epo-chem™ RA 500M** @ 10 mils (250µ) DFT using spray, brush and roller for both.

## Outcome

The major technical benefits offered by utilizing this system ensured that the work was carried out safely, on time and with no delays to the program on both wet and dry substrate.

## Benefits

- Solvent-free
- No grit blasting
- No delays due to weather or sweating substrate
- Application carried out on sweating pipe without shutdown
- UHP surface preparation, primer and topcoat on same day in some areas
- Reduced cost of labour and surface preparation
- **Chemco** system will protect the steel substrate with a 5-year warranty

Continued overleaf

1



2



### Photographs

- No. 1 Before application
- No. 2 Surface preparation in process

3



4



5



6



7



8



#### Photographs

- No. 3 Primer coat complete
- Nos. 4 - 8 Completed application

Solvent-free • Water-based • Wet-tolerant  
• Rust-tolerant • Zero VOC

- Tank & Pipe Linings • Under-water & Marine • Glassflake
- Rust Converters & Primers • Ceramic & Metal Repair • Anti-static, Conductive & Anti-slip Flooring
- Approved for Contact with Food, Drinking Water & Beverages • Damp or Green Concrete Primers
  - Concrete Repair Systems • Elastomeric System
- High Temperature Systems • Fire Retardant • Insulation Systems

East Shawhead Industrial Estate  
Coatbridge ML5 4XD  
Scotland United Kingdom  
Tel: +44 (0) 1236 606060  
Fax: +44 (0) 1236 606070  
Email: sales@chemcoint.com  
Web Site: www.chemcoint.com

