

CASE STUDY:

OFFSHORE

**OS15 – Splash Zone and Subsea Pipe
Coating – NORSOK M-501 System 7a**



OS15 - Splash Zone and Subsea Pipe Coating - NORSOK M-501 System 7a



Client

Offshore Asset Owner

Scope

Splash Zone and Subsea Pipe Coating

Location

Australia

Industry

Offshore

Date

2022

Products

RS 500P, RA 500M and RC 500GTC

Overview

The J Pipes and Production Riser Pipes, to be used as part of a large offshore structure, required to be coated before being put into service.

The scope of work included coating the internals and externals of these pipes.

This project was carried out by Chemco's representative in Western Australia, BCS Plus Holdings Pty Ltd.

Challenge

The pipes had to be coated in a system which could withstand the potentially highly corrosive conditions of an offshore environment, particularly in the splash zone areas.

Furthermore, much of the coated structure would be submerged underwater over a long period of time, whilst having to retain its colour, corrosion protection and chemical resistance properties.

Solution

It was decided that a specification based on Chemco's NORSOK M-501 System 7a was to be selected for the project, as follows:

Pipe Internals

Primer Coat - RS 500P
Topcoat - RA 500M

Pipe Externals (Splash Zone)

Primer Coat - RS 500P
Intermediate Coat - RA 500M
Topcoat - RC 500GTC

Pipe Externals (Subsea)

Primer Coat - RS 500P
Intermediate Coat - RA 500M
Topcoat - RC 500GTC

Outcome

The project was completed within the given timeframe, with all pipes set to be placed into service as part of the large offshore structure.

Benefits

- Solvent-free / VOC compliant
- Wet & rust tolerant
- Can be applied on minimally-prepared surfaces
- No humidity or dew point restrictions
- No recoating limitations
- Quick return-to-service
- Long term corrosion protection and chemical resistance
- Improved Health & Safety and reduced risk of Fire Hazard
- Excellent colour stability and opacity
- Amine, NCO and isocyanate-free

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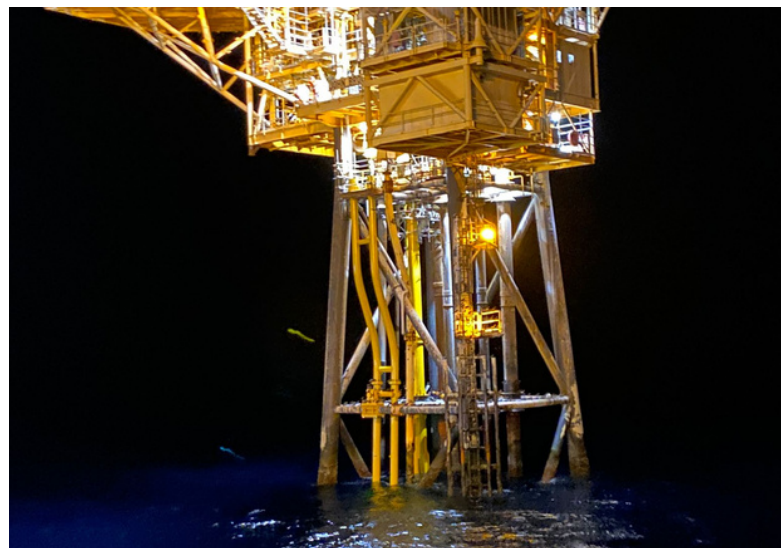
During Application



Completed Application



Completed Application



Completed Application - Installed