RISER BOOT TOPPING PROTECTED WITH BELZONA

**Industry:** *Oil & Gas*
Application: *SOS-Ships and Offshore Structures*

Customer Location: *Production Platform, North Sea, UK*
Application Date: *July 2015*

Substrate: *Steel, Neoprene*
Products:
* Belzona 1321 (Ceramic S-Metal) ,
* Belzona 3411 (Encapsulating Membrane) ,
* Belzona 3911 (PSC Surface Conditioner) ,

Problem
The customer required an isocyanate-free flexible system to provide excellent protection against corrosion in this harsh environment. The repair had to be applied in-situ.
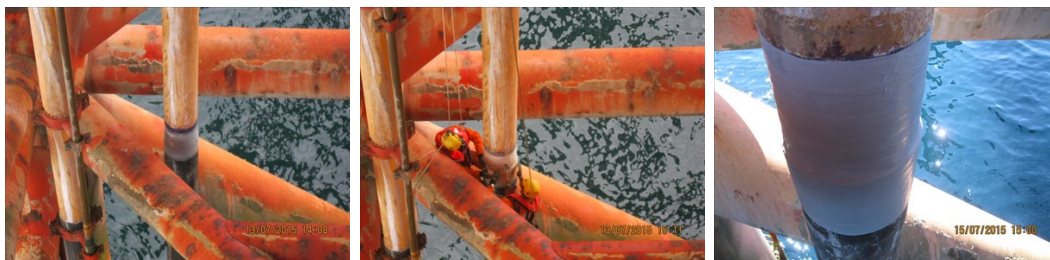
Photograph Descriptions

* Substrate prepared for application ,
* Application of the first layer of Belzona 3411 ,
* Completed application ,

Application Situation

The square edge of the previously used Neoprene sheet allowed water to sit on the edge and penetrate underneath the sheet, resulting in severe corrosion.

Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet SOS-21. After cutting back the loose Neoprene cladding and preparing the surfaces, Belzona 1321 was applied to the steel riser and blinded with Belzona 9231 (Surefoot Aggregate) to provide an anchor pattern for the application of Belzona 3411. Belzona 3911 was applied onto the Neoprene to achieve adhesion before the Belzona 3411 system was applied to bridge over the steel/neoprene junction. A bond breaker tape was applied at the junction to optimise movement at this point.

Belzona Facts

The customer was pleased with the Belzona solution as the repair could be carried out in situ using the rope access technique. The cold curing Belzona 1321 and 3411 system are isocyanate-free and provide a quick and safe application offering long term corrosion protection.