

BELZONA SUPERWRAP II ENSURES THE SAFETY OF AN OFFSHORE PLATFORM

ID: 5666



PROBLEM

The integrity of the riser was compromised due to severe damage caused by external corrosion. The asset owner needed to protect the surface of the riser without any interruption to the operation. Hot work was not an option.

APPLICATION SITUATION

6" diameter riser on an offshore platform.

APPLICATION METHOD

The substrate was grit blasted to produce a surface cleanliness of SSPC-SP 10 (Near White Metal) with an anchor profile of at least 3 mils (75 microns). The surface was then cleaned and degreased and the condition of the blasted surface was maintained until the application of the repair system. Belzona 1121 was used to fill pitted areas and to restore the original pipe thickness. Belzona 9381 was saturated with Belzona 1982 and applied onto the pipe in 4 wraps (8 layers) in compliance with the engineered design. To consolidate the repair during the curing process, Belzona 9382 was employed. After 24-hour cure, Belzona 9382 was removed. The surface of the cured Superwrap II was washed and sanded, and the pipe was overcoated with Belzona 1121 prior to application of a urethane top coat.

BELZONA FACTS

The application was carried out without any disruption to the operation of the platform. The repair and application of Belzona Superwrap II was completed in less than 7 hours, in addition to the 24 hours for the system to cure.

INDUSTRY

Oil & Gas

LOCATION

Oil & Gas Industry, Offshore, USA

APPLICATION DATE

May 2015

PRODUCTS

Belzona 1121 (Super XL-Metal)
Belzona 1982
Belzona 9111 (Cleaner Degreaser)
Belzona 9382

SUBSTRATE

Carbon steel

PHOTOS

1. Belzona 1121 applied to fill pitting
2. Four wraps (8 layers) of Belzona 1982 applied
3. Belzona 9382 applied to consolidate repair during cure
4. Complete application - Belzona Superwrap II repair overcoated with Belzona 1121 prior to application of urethane topcoat

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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