

Repairs to corroded internal sealing faces at a paper mill

ID: 10004

Industry: Pulp & Paper

Application: CEP-Centrifugal Pumps

Substrate: Cast Iron

Products: Belzona 1161 (Super UW-Metal), Belzona 1311 (Ceramic R-Metal)

Customer Location: Northumberland

Application Date: September 2025

Problem

The customer had severely corroded sealing faces. Due to difficult with access, grit blasting was not an option and there was only a very short window of time to carry out any repairs. Customer required a long lasting permanent solution to the issue.



Heavily corroded sealing face.



Surface preparation carried out and area degreased



Former plate applied to defective area and Belzona 1161 allowed to cure



Sealing face formed at drive and non-drive end.

Application Situation

Due to difficult with access, shot blasting was not an option and there was only a very short window of time to carry out any repairs. Customer required a long lasting permanent solution to the issue.

Application Method

The area's were degreased and then wetted out using Belzona 1161 Super UW-Metal (Surface tolerant product) and allowed to cure.

The surface was then lightly abraded and then wetted out with Belzona 1311 Ceramic R-Metal.

Belzona 1311 was then applied to the former plates which had been coated with Belzona 9411 Release Agent, and then put up against the worn faces and allowed to cure.

Belzona Facts

The customer received a long term solution in a difficult to access area. This solution was performed within tight deadlines, saving the customer on the cost of an extended shutdown period.

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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