

# BELZONA SOLUTION FOR REBUILDING AND COATING OF STUFFING BOX

ID: 9740

Industry: Fluid Flow

Application: CEP-Centrifugal Pumps

Substrate: Carbon steel

Products: Belzona 1121 (Super XL-Metal), Belzona 1321 (Ceramic S-Metal)

Customer Location: DUBAI, UNITED ARAB EMIRATES

Application Date: January 2025

## Problem

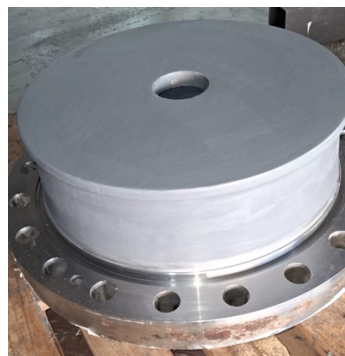
The stuffing box of the pump experienced erosion and corrosion, leading to pitting damage on the internal surfaces and impacting performance.



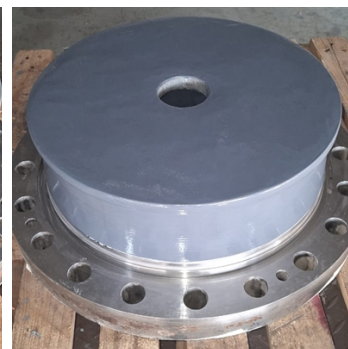
Severely corroded equipment.



During the rebuilding works using Belzona 1121.



Re-built stuffing box after the application of Belzona 1121.



Final equipment after the Belzona 1321 application.

## Application Situation

A repair utilizing a combination of Belzona rebuild-grade materials and a subsequent lining with Belzona ceramic coating enhanced protection and extended the asset's operational lifespan.

## Application Method

Belzona 1121 and Belzona 1321 were applied following the guidelines of Belzona System Leaflets CEP-01 and CEP-03.

The corroded areas were rebuilt manually using a stiff bristle brush and the provided plastic applicator, in accordance with the approved IFU.

## Belzona Facts

Belzona 1321 is a ceramic-filled epoxy coating specifically designed to protect metal surfaces from erosion and corrosion.

Belzona 1121 is a two-component paste-grade system with an extended working life, ideal for repairing and rebuilding machinery and equipment. It also serves as a high-performance, abrasion-resistant rebuilding solution.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

Copyright © Belzona International Limited 2025

  
**BELZONA**  
Repair • Protect • Improve