

# Protection of Sea Water Pipe Pieces with Belzona 5821

ID: 9300

Industry: Marine  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon steel  
Products: Belzona 5821

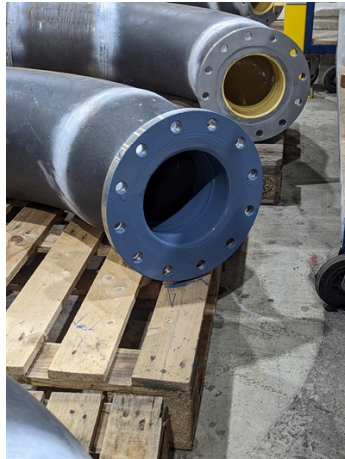
Customer Location: The Netherlands  
Application Date: November 2022

## Problem

The customer was looking for a protection system for the internals of their new-build seawater pipe pieces on their luxury yachts.



First set of Pipe Bends ready to be coated



Internals coated with Belzona 5821



First coat of Belzona 5821 in yellow applied to pipe straights



Second coat of Belzona 5821 in slate grey applied

## Application Situation

The protection had to be able to withstand seawater being pumped through the pipe at high speed. When the seawater comes through the inlet, sand and shells are taken with them. Sand and shells cause severe abrasion.

## Application Method

On completion of adequate surface preparation, Belzona 5821 a ceramic-filled epoxy system was applied. The system was applied by hand in two coats. This solution is cost-effective for large surface areas given the relatively thin target thickness.

## Belzona Facts

Belzona 5821 was selected as the solution to provide protection against wear, due to its cost-effectiveness on for larger surfaces. Initially the application was for a few pipe bends, which has since led to additional larger coating applications for at least 24 litres of Belzona 5821 to coat several large straight pipe pieces.

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

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9000 Registered Quality  
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