

## BELZONA REBUILDS SEAWATER FILTER FLANGES

### CUSTOMER

Shipyards, ISTANBUL, TURKEY

### APPLICATION DATE

August 2019

### APPLICATION SITUATION

Seawater filters of a container ship.

### PROBLEM

Pitted surface and metal loss due to erosion and corrosion on the seawater filter flange.

### PRODUCTS

Belzona 1111 (Super Metal)

Belzona 9111 (Cleaner & Degreaser)

### SUBSTRATE

Steel

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets VPF-01, VPF-13. Surface was prepared for mechanical bonding and surface was cleaned with Belzona 9111. Immediately following surface preparation, Belzona 1111 was applied to the surface with stiff brush. Then flange surface was recreated with applicator.

### BELZONA FACTS

Alternative for repairing the flange surfaces is replacement of the flange. Flange replacement will be very costly and time consuming. Another alternative is welding. Welding and machining of the flange surface at workshop is costly and time consuming. Belzona in situ solution for the rebuilding of the damaged areas and prevention of further corrosion was the quick and low cost effective solution.

### PICTURES

1. Erosion and corrosion damage on the flange.
2. After surface preparation.
3. Application of Belzona 1111 with applicator.
4. After Belzona application.



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

ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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