

## BELZONA REPAIRS AND WATERPROOFS A SHIP HULL

### CUSTOMER

France

### APPLICATION DATE

May 2008

### APPLICATION SITUATION

Ship hull. The vessel was dry docked. However, the application could have been done at sea.

### PROBLEM

Lead ballast have been stored in the engine room, leading to galvanic corrosion with the hull. This led to heavy pitted areas, creating issues regarding the waterproofing of the hull. The ship has to be tugged to another dockyard for replacement of the metal frame.

### PRODUCTS

Belzona 1161 (UW Metal)

Belzona 5831 (ST Barrier)

Belzona 5811 (Immersion Grade)

### SUBSTRATE

Carbon steel, anti fouling primer

### APPLICATION METHOD

The application was carried out in accordance with modified versions of Belzona Know-How Systems Leaflets SOS-1 and SOS-2. The surface of the hull was prepared using high pressure water cleaning. The pitted areas were rebuilt with Belzona 1161. Upon full cure of Belzona 1161, the 1st coat of Belzona 5831 (350 microns) was applied, and finally, within the overcoat time, the second coat of Belzona 5811 (350 microns).

### BELZONA FACTS

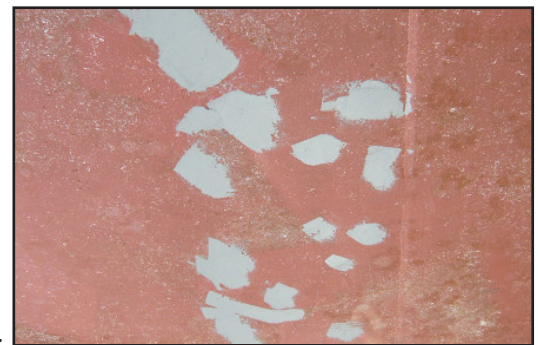
Pouring concrete down inside the engine room was considered as an alternative, the Belzona solution was chosen for its safe application and easiness to apply.

### PICTURES

1. The ship's hull.
2. Belzona 1161 applied to the pitted areas on the hull.
3. The first coat of Belzona 5831 applied.
4. The second coat of Belzona 5811 applied.



1.



2.



3.



4.

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



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