

## BELZONA PROTECTS ICE BREAKER RESEARCH SHIP

### CUSTOMER

Cape Town, South Africa

### APPLICATION DATE

January 2020

### APPLICATION SITUATION

An ice-breaking polar supply and research ship returned to dry dock in South Africa for repairs after polar exploration.

### PROBLEM

Areas and fixtures on the hull have been subjected to wear and erosion in service, leaving some of the steel exposed and open to corrosion.

### PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1341 (SuperMetalGlide)

Belzona 2141 (ACR-Fluid Elastomer)

### SUBSTRATE

Steel

### APPLICATION METHOD

The application was carried out in accordance with Belzona System Leaflets SOS-01 & SOS-02.

### BELZONA FACTS

The original corrosion paint has proven to be not strong enough to handle the harsh sea ice conditions. Belzona was chosen due to its erosion resistance and durability, to prevent costly damage in the future, while steel loss was still minimal. 192 m<sup>2</sup> was covered in total.

### PICTURES

1. Repair area prior to application
2. Detailed damaged area with steel loss
3. Coating application complete
4. Additional protection added to most severely affected areas



1.



2.



3.



4.

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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9000 Registered Quality  
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