

BELZONA® REBUILDS ERODED SONAR DOME FLANGES

CUSTOMER

Canadian Navy
Esquimalt, BC

APPLICATION DATE

May 2010

PROBLEM

The mating flange on the underside of the vessel was eroded and warped making it difficult to install the new component effectively.

PRODUCTS

Belzona® 1121 XL Metal
Belzona® 9411 Release Agent

SUBSTRATE

Mild Steel

APPLICATION METHOD

Application carried out in accordance with Belzona® Know-How Leaflet GSS-8

BELZONA FACTS

The use of Belzona enabled the ship yard to accurately reform the flange in place eliminating a major problem.

PHOTOGRAPHS

1. Pre-determined spacers are bonded to the flange to ensure that the slave flange can be accurately tightened against them.
2. The dummy flange coated with Belzona 9411 Release Agent is positioned a few inches below the hull flange and Belzona 1121 Super XL Metal is applied to both mating surfaces.
3. The former flange is then tightened systematically until it is hard against the spacers and level.
4. The reformed flange after the former has been removed and the edges cleaned up.

