

# BELZONA ENGINE BLOCK REPAIR AND PROTECTION

ID: 572

**Industry:** *General Industry*

**Customer Location:** *Iron and steel manufacturing factory,  
Egypt*

**Application:** *ENC-Engines and Casings*

**Application Date:** *July 2004*

**Substrate:** *Cast iron*

**Products:** *\* Belzona® 1311 (Ceramic R-Metal) ,  
\* Belzona® 1391 (Ceramic HT) ,*

## Problem

*Cavitation and corrosion in water passages of engine block.*



## Photograph Descriptions

- \* General view of the block ,
- \* Cavitation area after blasting ,
- \* Rebuilding cavitation area using Belzona® 1311 (Ceramic R-Metal) ,
- \* Applying Belzona® 1391 (Ceramic-HT) to the block ,

## Application Situation

Engine block

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet ENC-6.

## Belzona Facts

This is a routine repair on engine blocks as cavitation is a common problem in this area of the engine.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve