

# BELZONA® 1341 IMPROVES SWIMMING POOL PUMP PERFORMANCE

ID: 2084

**Industry:** Water / Wastewater  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Cast Iron casing / Bronze impeller  
**Products:** \* Belzona® 1311 (Ceramic R Metal) ,  
\* Belzona® 1341 (Supermetalgilde) ,

**Customer Location:** Swimming Pool, BC, Canada  
**Application Date:** August 2006

## Problem

Erosion corrosion, aggravated by galvanic corrosion and corrosion from pool chemicals had reduced pump performance.



## Photograph Descriptions

- \* Pump casing prior to application ,
- \* Impeller prior to application ,
- \* Pump casing after application of Belzona® 1341 ,
- \* Pump impeller after application of Belzona® 1341 ,

## Application Situation

Because of the dissimilar metals (Bronze and cast iron) making up the pump components, the facility would only get one year of operation out of a pump.

## Application Method

Application was carried out in accordance with a Belzona Know-How System Leaflet CEP-1 & 10.

## Belzona Facts

Apart from the general erosion corrosion problems experienced with swimming pool pumps, improving pumping efficiency and reducing running costs were becoming more important as energy costs continue to escalate. An application of Belzona® 1341 Supermetalgilde to the internal surfaces of the pump increased the efficiency by almost 12%.

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

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