

# Protection of New Vertical Pump for Potable Water Service

ID: 7733

Industry: Water / Wastewater

Customer Location: Pump Manufacturer, Japan

Application: CEP-Centrifugal Pumps

Application Date: June 2018

Substrate: Grit Blasted Ductile Iron

Products: \* Belzona® 1111 (Super Metal) Belzona® 1341 (Supermetalglide) ,

## Problem

Long-lasting NSF approved system was required to protect the potable water pump from erosion-corrosion issue.



## Photograph Descriptions

- \* 1. Application of 2nd coat on the Suction Bell ,
- \* 2. Spark testing the Suction Bell ,
- \* 3. Suction Bell completed ,
- \* 4. Discharge Bowl completed ,

## Application Situation

Pump lining application to protect a new build vertical pump to supply potable water for a local water district in Texas, USA.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet CEP-3, at the fabrication site of pump manufacturer in Japan. A suction bell and a discharge bowl were blasted and coated with NSF approved Belzona® 1341 internally. Blow holes found were filled with Belzona® 1111 to achieve smooth surfaces prior to the final coat of Belzona® 1341.

## Belzona Facts

The application was carried out by a local contractor along with presence of an Official Inspector dispatched by the client (US Water District) as well as Belzona Corporate Supervisor. All the necessary requirements strictly met either the specification or Belzona standards. The application carried out was for the first unit out of 7 units in total, therefore 6 more units to be followed shortly.

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

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