

Belzona Repairs Worn Impeller and Pump

ID: 10010

Industry: Water / Wastewater

Customer Location: Pelham, AL

Application: CEP-Centrifugal Pumps

Application Date: September 2025

Substrate: Carbon steel

Products: Belzona 1111 (Super Metal), Belzona 1321 (Ceramic S-Metal)

Problem

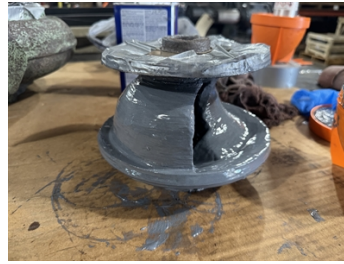
the impeller had a worn blade that needed to be rebuilt following years being in service. They also wanted to coat it for future protection.



Impeller Blade Shown with Missing Metal



Belzona 1111 Formed to Fill Missing Area and then wrapped with Reinforcement Cloth and More Belzona 1111



Blade Repaired and Coated with Belzona 1321



2nd Coat of Belzona 1321 Applied

Application Situation

The cost to replace the impeller exceeded the price to repair. Our client was a first time user and this was a great alternative.

Application Method

First, we cut a piece of a belzona mixing board and duct taped it to the back of the impeller blade.

We then applied Belzona 1111 to the missing area and onto the existing metal by about an inch.

Once cured, we removed the former and applied More Belzona 1111 to build up and engrained reinforcement cloth.

While mostly cured but still soft, we sanded some areas lightly to contour.

After curing, we applied 2 coats of Belzona 1321.

Belzona Facts

Belzona offered the chance to repair the pump and to do it quickly. As a first time user, they are excited to use on more pumps.

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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