

# Pump Coating with Belzona 1341

ID: 8548

## Industry:

Application: CEP-Centrifugal Pumps

Substrate: Water / glacier water

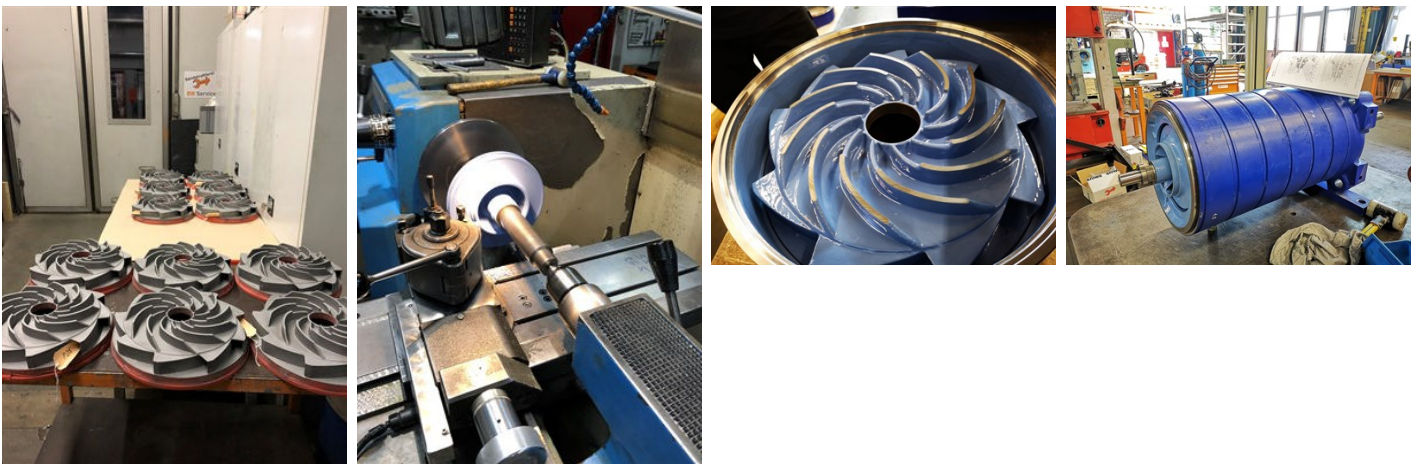
Products: \* Belzona 1341 (Supermetalgilde) ,

Customer Location: Switzerland

Application Date: 09/09/2019

## Problem

Since the pumps convey glacier water, they were so stressed by glacier grinding (deterioration) without coating that the running time was a maximum of 8 months.



## Photograph Descriptions

\* 1). Sandblasted guide vanes 2). Coated impeller which is machined with CBN inserts 3). Finished guide vane in the housing 4). Pump during assembly ,

## Application Situation

High pressure pump with 7 stages (KSB Multitec A100 / 7-8) The new pumps, which came directly from the manufacturer, are required to operate snow-making systems in a ski area.

## Application Method

The pumps were delivered directly to our service center by the manufacturer. We then dismantled the pumps and measured the clearance on the impellers. The running wheels were then turned on the lathe in order to obtain the original dimensions at the end. All components of the pump were sandblasted SA.2.5 After sandblasting, the components were immediately coated with Belzona 1341 Supermetalgilde. After a curing time of 14 hours, the wheels were turned back to their original dimensions on the lathe with the help of CBN inserts. Before assembly, the impellers were checked for imbalance and balanced.

## Belzona Facts

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

Due to various experiences with glacier water and Belzona 1341 Supermetalgilde, there was no alternative for the end customer. Belzona 1341 coating is designed to triple service life and maintain productivity.

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