

# BELZONA RESTORES AND PROTECTS GATE VALVE

ID: 6421

**Industry:** Mining & Quarrying  
**Application:** CEP-Centrifugal Pumps  
**Substrate:** Carbon Steel  
**Products:** \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1341 (Supermetalgilde) ,

**Customer Location:** Copper Mining Company, Bulgaria  
**Application Date:** April, 2015

## Problem

*Strong corrosion and erosion on the inner surfaces of all 3 gate valves.*



## Photograph Descriptions

- \* 1. General view of the valve before repair ,
- \* 2. After blasting and flange masking ,
- \* 3. 1st coat of Supermetalgilde applied ,
- \* 4. Final view of the completed application ,

## Application Situation

Three large gate valves for water transport from the local dam to the production area.

## Application Method

The application was carried out according to Belzona Know-How System Leaflet CEP-1 and CEP-3. The internal welds, pitting and damage were filled with Belzona 1311 then two coats of Belzona 1341 were applied.

## Belzona Facts

Restoration of 3 valves was carried out within three days, which saved the customer time and money and also eliminated the need to buy new valves. Two months after the restoration of the gate valves, the client protected several pipes and elbows in the water

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
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supply, the client now had complete restoration and protection of the whole water system. The client has reported that all equipment and repairs are still in good working condition.

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