

## BELZONA KEEPS COOLING WATER PUMP RUNNING

### CUSTOMER

Coal power plant in Macedonia.

### APPLICATION DATE

September 1999

### APPLICATION SITUATION

Two cooling water pump impellers

### PROBLEM

Cavitation-erosion damage on the impellers

### PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 1321 (Ceramic S-Metal)

### SUBSTRATE

Stainless steel

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-5 and CEP-7.

### BELZONA FACTS

Cavitation reduces thickness of the blades, increasing risk of their breaking. Belzona® 1311 rebuild restored impellor profiles. After applying of Belzona® 1321, the power consumption decreased and the flow increased. Replacing the pump costs about 50.000,00 EUR and it takes 60 days. This application had been done twice on two impellers.

### PICTURES

1. Eroded pump blades.
2. Filled pump blades with Belzona® 1311.
3. Finishing with Belzona® 1321.



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



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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