

## BELZONA PROTECTS WATER TREATMENT PLANT FILTER

### CUSTOMER

Water treatment plant, Girona, Spain

### APPLICATION DATE

May 2008

### APPLICATION SITUATION

Filter for removing organic matter.

### PROBLEM

Severe corrosion of the stainless steel substrate due to the presence of Hydrogen Sulphide and Sulphuric acid. These are created by bacterial action in the organic matter.

### PRODUCTS

Belzona® 1121 (Super XL Metal)

Belzona® 4311 (Magma CR1)

### SUBSTRATE

Stainless steel.

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. After grit blasting, deeply corroded areas were rebuilt using Belzona® 1121 followed by coating with two layers (grey and red) of Belzona® 4311.

### BELZONA FACTS

The filter was rapidly repaired and put back into service. The Belzona® 4311 provides excellent corrosion protection to all concentrations of Sulphuric acid ensuring long term protection of the equipment.

### PICTURES

1. Initial state of the sieve
2. Rebuilding with Belzona® 1121
3. Application of the second coating of Belzona® 4311
4. Finished unit



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



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