

## BELZONA PROTECTS PIPELINE FROM MILLSCALE WEAR

### CUSTOMER

Steel plant, South of France

### APPLICATION DATE

September 1990

### APPLICATION SITUATION

500m long and 1.5m diameter Raw Water pipeline loaded with millscale.

### PROBLEM

Corrosion and erosion in the lower third of the pipeline caused by abrasion from the millscale.

### PRODUCTS

Belzona® 4111 (Magma-Quartz)

### SUBSTRATE

Steel

### APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-2.

### BELZONA FACTS

Following a trial over several months, competing with an alternative solution (which did not last), Belzona 4111 was chosen to protect the lower sections of the pipeline. Its fast cure speed reduced the repair duration. The application was carried out over 5 years: 100m/year (45 buckets/year). After the inspections carried out in 2000, 2001 and in 2002, the product is still in perfect condition. To aid access/application steps were created with Belzona 4111 in a sloping section of the pipeline.

### PICTURES

1. Application of Belzona® 4911 after gritblasting the substrate
2. Beginning the application of Belzona® 4111
3. Application in progress
4. Creating steps with Belzona® 4111 on a sloping area of the pipeline, in order to facilitate the inspection



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



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Q 09335  
ISO 14001:2004  
EMS 509612

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