

## BELZONA RESTORES STEEL MILL FLUME

### CUSTOMER

Steel Mill, USA

### APPLICATION DATE

December 2007

### APPLICATION SITUATION

Badly eroded waste flume at a steel mill.

### PROBLEM

Highly abrasive waste material was rapidly eroding the flume, carving out a larger cross-sectional area than original designed. Flow velocity dropped as a result and the flume was not longer functioning as designed thus allowing build up of waste within the flume.

### PRODUCTS

Belzona® 4124 (Bulk Fill)

Belzona® 4111 (Magma Quartz)

Belzona® 1812 (Ceramic Carbide FP)

### SUBSTRATE

Concrete

### APPLICATION METHOD

Application was carried out in accordance with a modified Belzona Know-How System Leaflet TCC-9.

### BELZONA FACTS

A stainless steel trough was also considered but the Belzona solution was \$65,000 less expensive. Polyurea coatings were rejected due to their intolerance to damp concrete. Only the Belzona repair offered the cost savings, longevity, and application characteristics required by the steel mill.

### PICTURES

1. Trough prior to surface preparation
2. Trough profile reformed with Belzona
3. A further quarter inch of Belzona® 4111 applied
4. Trough fully coated with Belzona® 1812



1.



2.



3.



4.

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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