

# BELZONA RESTORES STEEL MILL FLUME

ID: 1129

**Industry:** General Industry  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Concrete  
**Products:** <div>Belzona® 4124 (Bulk Fill)</div><div>Belzona® 4111 (Magma Quartz)</div><div>Belzona® 1812 (Ceramic Carbide FP)</div>

**Customer Location:** Steel Mill, USA  
**Application Date:** December 2007

## 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.



## Photograph Descriptions

- \* Trough prior to surface preparation ,
- \* Trough profile reformed with Belzona ,
- \* A further quarter inch of Belzona® 4111 applied ,
- \* Trough fully coated with Belzona® 1812 ,

## Application Situation

Badly eroded waste flume at a steel mill.

## 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.

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

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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