

# BELZONA REPAIRS TO STEEL ROLLING MILL

ID: 204

**Industry:** General Industry

**Customer Location:** Steel mill

**Application:** GSS-Gaskets, Seals and Shims

**Application Date:** October 1997 and December 1999

**Substrate:** Cast steel

**Products:** \* Belzona® 1321 (Ceramic S-Metal) ,

\* Belzona® 1221 (Super E-Metal) ,

## Problem

Corrosion caused by cooling water between mill housing and load block. Increased clearance leads to loss of pre-tension on holding bolts.



## Photograph Descriptions

- \* Corrosion evident after grit blasting ,
- \* Molds being positioned ,
- \* Surfaces reformed with Belzona ,

## Application Situation

Load block area on sides of mill (4 per mill)

## Application Method

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

## Belzona Facts

First mill done in 1997 checked in 1999 and no change in clearances measured. Welding and machining considered but production losses would have been too great. Belzona application completed in 33-hour shut down with no production losses. Equipment and peripherals more reliable leading to increased quality and production.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve