

# BELZONA REPAIRS PILLARS OF A RAILROAD TRACK

ID: 5534

**Industry:** Steel & Metal Processing  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Reinforced Concrete  
**Products:** \* Belzona 4111 (Magma-Quartz),  
\* Belzona 4151 (Magma-Quartz Resin),  
\* Belzona 4911 (Magma TX Conditioner),

**Customer Location:** Steel Industry, Pará, Brasil  
**Application Date:** April 2012

## Problem

The area of the 48 deteriorated pillars negatively influence the operation of the railway.



## Photograph Descriptions

- \* General view of the damaged pillars ,
- \* Installation of the forms to the pillars after cleaning ,
- \* Application of Belzona 4111 ,
- \* Wagons operating on the repaired pillars ,

## Application Situation

Recovery of 48 pillars.

## Application Method

The pillars were first cleaned with a water jet and steel brush. The leveling of the pillars was carried out with the assistance of a topography tool and then Belzona 4111 and Belzona 4151 were applied. The application was carried out in accordance with Belzona Know-How System Leaflet TCC-9 and FPA-1.

## Belzona Facts

4 hours after the application of Belzona, the tracks were installed, and 8 hours after the application, the cargo train was released for operation. Upon completion of the application with Belzona Technology, the railway was cleared for operation within little time.

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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