

## BELZONA REPAIRS PILLARS OF A RAILROAD TRACK

### CUSTOMER

Steel Industry, Pará, Brazil

### APPLICATION DATE

April 2012

### APPLICATION SITUATION

Recovery of 48 pillars.

### PROBLEM

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

### PRODUCTS

Belzona 4111 (Magma-Quartz)

Belzona 4151 (Magma-Quartz Resin)

Belzona 4911 (Magma TX Conditioner)

### SUBSTRATE

Reinforced Concrete

### 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.

### PICTURES

1. General view of the damaged pillars
2. Installation of the forms to the pillars after cleaning
3. Application of Belzona 4111
4. Wagons operating on the repaired pillars



1.



2.



3.



4.

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



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