

BELZONA RECOVERS ELECTRIC ENERGY TRANSMISSION TOWER BASE

ID: 5620



PROBLEM

Due to the transmission towers being exposed to weathering, its concrete bases suffer from deterioration. The accumulated rainwater tends to oxidize the structure of the tower, weakening the metal base.

APPLICATION SITUATION

Concrete base of the leg of the transmission tower.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet GSS-3. Firstly, the concrete surface was abraded, cleaned and allowed to dry. The conditioner, Belzona 4911, was applied and allowed to dry. Belzona 4111 was then applied. After the completed cure time and dry to the touch of Belzona 4111, Belzona 3921 was applied and after the specific amount of time, Belzona 3111 was applied.

BELZONA FACTS

Belzona offered the customer an excellent cost effective solution, recovering and waterproofing the area susceptible to water accumulation.

INDUSTRY

Power

LOCATION

Electric Energy Company, Brazil

APPLICATION DATE

October 2008

PRODUCTS

Belzona 4111 (Magma-Quartz)
Belzona 4911 (Magma TX Conditioner)
Belzona 3111 (Flexible Membrane)

SUBSTRATE

Concrete and galvanized steel

PHOTOS

1. View of the transmission tower
2. Deteriorated base
3. Application of Belzona 4111
4. Waterproofed base with Belzona 3111

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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