

BELZONA REPAIR ON STEEL MILL

ID: 2786



PROBLEM

In the rolling mill housing there were several wear plates which guide the hot steel slabs. Impact and vibration from the heavy metal slabs create damage to the housing behind the wear plates. A significant gap occurred between the support and plates leading to misalignment.

APPLICATION SITUATION

Due to impact, the soft steel behind the steel guide wear plates in the steel production line were damaged.

APPLICATION METHOD

Application carried out in accordance with Belzona Know-How System Leaflet GSS-9. After cleaning and treating the wear plates with Belzona® 9411 (Release Agent), the plates were aligned by experts before the Belzona® 1321 was injected to fill void between wear plate and housing.

BELZONA FACTS

Before the repair with Belzona, a new stainless steel plate had to be installed every month. After the Belzona repair, no movement has been detected in the repaired housing after 5 months and the wear plates were still in their ideal position. The mill's downtime has been dramatically reduced.

INDUSTRY

General Industry

LOCATION

Steel mill, Spain

APPLICATION DATE

2009

PRODUCTS

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Steel

PHOTOS

1. Mill Housings
2. Applying Release Agent to underside of wear plates
3. Injection Holes
4. Finishing off the injection of Belzona 1321

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