

BELZONA PLATE BONDING SOLUTION SEALS STEEL PLANT GAS LEAKS

ID: 6012

Industry: Steel & Metal Processing
Application: VPF-Valves, Pipes and Fittings
Substrate: Mild Steel
Products: * Belzona 1251 (HA-Metal) ,
* Belzona 5851 (HA-Barrier) ,

Customer Location: Steel Plant, Sweden
Application Date: October 2015

Problem

Due to the financial situation, a closure of the plant for weld repairs was not possible. Environmental Authorities demanded that the gas leaks were reduced within a tight time frame so they turned to Belzona for a solution. There were 9 out of 53 furnaces on site that needed repairing as a priority. Repairs had to be carried out with furnaces in operation, thus requiring application onto hot surfaces.



Photograph Descriptions

- * View of steel plant furnaces with corrosion problems ,
- * Heavily corroded base underneath the debris ,
- * Applying Belzona 1251 to prepared area ,
- * Completed application after coating with Belzona 5851 ,

Application Situation

Significant number of gas leaks around the coke ovens threatened fines and closure of the plant from the environmental authorities.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet VPF-11. After cleaning and grit blasting the leaking areas, custom designed plates were bonded into place with Belzona 1251, Belzona 5851 was then coated over the top for further protection.

Belzona Facts

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.

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Welded plates were not possible due to hot work restrictions in this area of the plant. The Belzona solution offered a fast/safe solution that was carried out without the need to shut the plant down.

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