

# BELZONA COLD BONDING STOPS PIPE VIBRATIONS

ID: 4486

Industry: Chemical & Petrochemical  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon steel  
Products: \* Belzona® 1111 (Super Metal) ,

Customer Location: Petrochemical Plant, Bohai Bay, China  
Application Date: 2010

## Problem

During loading and unloading, the pipework suffered from vibration. Increased frequency of loading and discharge was exacerbating the problem and structural damage was a concern. Additional supports were designed to solve problem but due to safety restrictions, no hot work was allowed. Cold bonding of additional supports using Belzona was therefore specified.



## Photograph Descriptions

- \* Surface preparation ,
- \* Application of Belzona® 1111 ,
- \* Application completed ,
- \* Overview of the tank top pipework ,

## Application Situation

Petrochemical storage tank roof.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet VPF-15.

## Belzona Facts

Belzona provided the client with the solution to eliminate vibrations by installing additional supports on the tank roof. The cold bonding avoided hot work. The modification was achieved in just 4 hours.

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

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9000 Registered Quality  
Management System.

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