

# Belzona® Cold Bonding Technology Prevents Pipe Vibration

ID: 8230

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

Customer Location: Petrochemical plant in Bohai, China  
Application Date: 2010

## Problem

Pipelines of petrochemical storage tanks have been subject to vibration during loading and unloading. This problem is exacerbated by the increased frequency of loading and discharge, and the damage to the structure is also more serious. Therefore, an additional support frame is needed to solve this problem. However, due to safety restrictions, hot work is not allowed. In this case, the customer specifically chose Belzona's cold-bonded steel sheet as an additional support frame.



## Photograph Descriptions

- \* 1. Surface preparation ,
- \* 2. Apply Belzona 1111 ,
- \* 3. Application complete ,
- \* 4. Appearance of tank roof pipeline ,

## Application Situation

Petrochemical storage tank.

## Application Method

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

## Belzona Facts

By installing additional supports on the tank roof, Belzona provides customers with an effective solution eliminating vibration of pipelines. Cold bonding technology avoids hot work. This application was completed in only 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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