

# BELZONA REPAIRS AND PROTECTS 18 FOOT DIAMETER FLANGE FACE

ID: 1337

Industry: *General Industry*  
Application: *GSS-Gaskets, Seals and Shims*  
Substrate: *Mild Steel*  
Products: *\* Belzona® 1111 (Super Metal) ,*  
*\* Belzona® 4341 (Magma CR4) ,*

Customer Location: *Metallurgy, Montreal Canada*  
Application Date: *October 2006*

## Problem

*Flange was attacked by 98% Sulfuric acid at elevated temperature after Teflon lining was damaged.*



## Photograph Descriptions

- \* Metal flange needed rebuilding. ,
- \* The damaged Teflon lining that caused leak ,
- \* The rebuilt flange protected with Belzona® 4341 ,
- \* ,

## Application Situation

Flange on 18ft. diameter evaporator.

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflets GSS-8 and HEX-3. Templates were used to obtain original profile of the flange with Belzona® 1111. Belzona® 4341 was applied as a protective coating.

## 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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**BELZONA**  
Repair • Protect • Improve

Belzona solution restored sealing on flange face without heat avoiding further damage to the Teflon lining. Use of Belzona® 4341 provided acid resistance to the repair.

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