

# BELZONA SEAL A TANK APPLICATION ON CRUDE STORAGE TANK AT A REFINERY

ID: 8108

Industry: *Chemical & Petrochemical*  
Application: *GSS-Gaskets, Seals and Shims*  
Substrate: *Mild Steel ( Tank Shell ) and concrete*  
Products: *\* Belzona 3111 (Flexible membrane) ,  
\* Belzona 3911 PSC Conditioner) ,  
\* Belzona 3921 ( GSC Conditioner) ,  
\* Belzona 9311 ( Flexible membrane tape) ,*

Customer Location: *Refinery, Mumbai, India*  
Application Date: *June 2018*

## Problem

*Water ingresses through the crack between the concrete foundation and tank base. The location of tank is near the sea shore, so presence of high moisture levels accelerates the corrosion at the bottom plate of the tank.*



## Photograph Descriptions

- \* Surface preparation done on the shell and concrete base of the tank ,
- \* Conditioner applied on the concrete base and the shell of the tank ,
- \* Belzona 3111 along with Belzona 9311 was applied on the prepared surface of the tank ,
- \* Final layer of Belzona 3111 has been applied and tape is ready for removal ,

## Application Situation

Application was carried out on crude tank no 104. Diameter of tank is 54 meter. Tank is placed on a concrete foundation.

## Application Method

Painting was removed from the shell upto a height of 0.2 meter from the base. The concrete was also cleaned and the surface was made clean dry and rough. Belzona 3911 (PSC) was applied on the concrete surface, Belzona 3921 ( GSC) was applied on the cleaned metallic surface of the tank. Belzona 3111 was applied on the prepared surface. Belzona 9611 along with Belzona 3111 was applied. After the application gets cured, a final layer of Belzona 3111 was applied.

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FS 695214  
ISO 14001:2015  
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## Belzona Facts

Application was checked on regular interval by the refinery officials, they found the application satisfactory and placed order for the same application on other tank.

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