

# Belzona Provides Internal Corrosion Protection for Gravity Separators

ID: 8232

**Industry:** Oil & Gas

**Customer Location:** Natural Gas Purification Plant in Southwest China

**Application:** TCC-Tanks and Chemical Containment Areas

**Application Date:** July 2009

**Substrate:** Carbon steel

**Products:** \* Belzona 1111 (Super Metal) ,  
\* Belzona 1321 (Ceramic S-Metal) ,

## Problem

The base and top of the separator have been subjected to erosion and corrosion for a long time, and a large amount of pitting corrosion has emerged.



## Photograph Descriptions

- \* Separator inner wall before application ,
- \* Inner coating completed ,
- \* Coating integrity reviewed in 2010 ,
- \* Coating thickness reviewed in 2015 ,

## Application Situation

Natural gas plant raw material gravity separator.

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflet TCC-5. Belzona 1111 to repair the pitting defects and then apply Belzona 1321 to complete the application.

## Belzona Facts

The original pitting corrosion of the tank wall was repaired. The base and the head of the separator was protected with Belzona 1321, which effectively improved the erosion-corrosion resistance ability of the gravity separator. After 6 years of service, the

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.

[www.belzona.com](http://www.belzona.com)

**BELZONA®**  
Repair • Protect • Improve

coating is still integrated and the thickness stays the same.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015	Belzona products are
FS 695214	manufactured under an ISO
ISO 14001:2015	9000 Registered Quality
EMS 695213	Management System.

[www.belzona.com](http://www.belzona.com)

