

BELZONA REFURBISHMENT OF FLASH VESSELS USING INJECTION TECHNIQUES

ID: 107

Industry: *General Industry*

Customer Location: *Nickel-Cobalt Refinery, Western Australia*

Application: *GSS-Gaskets, Seals and Shims*

Application Date: *1999*

Substrate: *Carbon Steel and Titanium*

Products: ** Belzona® 1391 ,*

Problem

Vessel has a titanium insert in domed base and is also refractory brick lined. A void 1-20mm beneath insert allowed it to crack at start-up.



Photograph Descriptions

- * General View of two flash vessels on Train 2 ,
- * Work underway from inside ,
- * Injection holes being drilled & tapped prior to injection from outside vessel ,

Application Situation

Carbon steel flash vessels operating at 250°C and 20 bar pressure.

Application Method

Application was carried out in accordance with Belzona System Leaflet GSS-9.

Belzona Facts

Alternative to these Belzona applications was replacement with new Titanium vessels at a cost of nearly \$1 million. Belzona solution less than 1/10th the cost and completed to tight deadlines.

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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