

BELZONA REPLACES PTFE LINING AND CUTS DOWNTIME

ID: 5655

Industry: *Chemical & Petrochemical*
 Application: *TCC-Tanks and Chemical Containment Areas*
 Substrate: *Steel*
 Products: ** Belzona 1593 ,*

Customer Location: *Chemical Plant, Ferrara, Italy*
 Application Date: *April, 2015*

Problem

The original hot applied PTFE Lining required maintenance due to localised disbondment. The plant was facing a long downtime as it was not possible to conduct an in-situ repair of such a lining. The customer was looking for a solution that was faster and easier to apply.



Photograph Descriptions

- * PTFE lining removed ,
- * Belzona lining applied ,
- * Coating thickness measured ,
- * Inspected after 6 months in service ,

Application Situation

Reactor operating between 70°C and 80°C at a Polyolefins petrochemical plant. Process fluids included salt, caustic and titanium tetrachloride.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet TCC-5 for protecting and rebuilding steelwork. After grit blasting to SA 2.5, a two-coat system of Belzona 1593 was hand applied to an area of 25 m².

Belzona Facts

Belzona was chosen to replace PTFE as it reduced downtime from weeks to days and was also much easier to apply. Any future

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ISO 9001:2015
 FS 695214
 ISO 14001:2015
 EMS 695213

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 9000 Registered Quality
 Management System.

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 Repair • Protect • Improve

mechanical damage will be repairable in-situ.

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