

BELZONA REPLACES PTFE LINING AND CUTS DOWNTIME

ID: 5655



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.

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 mechanical damage will be repairable in-situ.

INDUSTRY

Chemical & Petrochemical

LOCATION

Chemical Plant, Ferrara, Italy

APPLICATION DATE

April, 2015

PRODUCTS

Belzona 1593

SUBSTRATE

Steel

PHOTOS

1. PTFE lining removed
2. Belzona lining applied
3. Coating thickness measured
4. Inspected after 6 months in service

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

