

Belzona seals the base of storage tank

ID: 8865

Industry: Chemical & Petrochemical
Application: GSS-Gaskets, Seals and Shims
Substrate: Carbon steel
Products: Belzona 3921
Belzona 3131 WG Membrane
Belzona 9311

Customer Location: Scotland
Application Date: May 2022

Problem

Mastics & bitumens often do not have the required properties to maintain a water tight seal when placed in this application.
When storage tanks are filled & unloaded they often move considerably on their base.



Original mastic failure



Close up of application



Completed application



Completed application

Application Situation

A large diameter storage tank had a mastic seal installed between its annular rim & concrete base. This mastic had become disbonded due to its lack of flexibility. A solution was required to seal this gap to prevent corrosion whilst maintaining flexibility.

Application Method

The seal area on the newly painted tank was marked out & abraded to a 40 micron profile. Belzona 3921 was then applied followed by two coats of Belzona 3131 incorporating the 9311 reinforcing sheet.

Belzona Facts

The system has now been used on many tanks onsite & proved effective at preventing water ingress long term.

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

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