

Belzona 1593 Proven to Provide Long Term Protection in Molten Sulphur

ID: 8856

Industry: Oil & Gas
 Application: VPF-Valves, Pipes and Fittings
 Substrate: Carbon Steel
 Products: * Belzona 1593 ,

Customer Location: Oil Refinery, UK
 Application Date: January 2016

Problem

Sulphur was condensating on the equipment and attacking the externals of several pumps causing high levels of corrosion. This was resulting in a short working life of the pumps.



Photograph Descriptions

- * 1. Pipes grit blasted ready for application of Belzona coating ,
- * 2. Pipes coated with Belzona 1593 ,
- * 3. Pipes coated with Belzona 1593 ,
- * 4. Pipes revisited 5 years later showing minimal damage to the coating ,

Application Situation

Sulphur pit internal equipment began showing corrosion spots, so required protection from further damage.

Application Method

The surface to be coated was grit blasted to a surface cleanliness of Sa2½. Belzona 1593 was then applied in two coats to provide outstanding corrosion protection. The application was carried out in accordance with Belzona Know-How System Leaflets VPF-2.

Belzona Facts

Since 1997, Belzona 1591 has been used to coat many of the pumps in a sulphur pit. When this product was replaced by Belzona

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


BELZONA
 Repair • Protect • Improve

1593, the client was keen to utilise this improved solution however there was minimal testing available in this type of situation. This pump was originally coated in 2017, when the pumps were revisited in 2022, there was little damage to the coating. The client chose to fully recoat the pipes even though a small repair would have been sufficient.

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

