

Belzona Protects Operators in a Sugar Refinery using Belzona 5871

ID: 8408

Industry: Sugar
Application: VPF-Valves, Pipes and Fittings
Substrate: Stainless Steel - Grade 316
Products: * Belzona 5871 Belzona 9111 ,

Customer Location: L'Aube region of France
Application Date: September 2020

Problem

Operator safety was a major concern for the asset owners, when their operators are having to manually operate the purge valves due to the pipework transporting steam at 90°C, therefore being a hazard and exposing the operators to potentials burn incidents. The internal microcavities obtained by the system as it expands, creates a high performance thermal barrier, insulating the thermal process and/or preserving the safety of the operators. The new contact temperature after using Belzona 5871 was 47°C.



Photograph Descriptions

* 1) Belzona 5871 Final System Backside near Walkway 2) Belzona 5871 Final System Backside near Walkway (Close-Up) 3) Belzona 5871 Final System Purge Valve Access ,

Application Situation

Stainless steel pipework transporting steam at 90°C, is handled manually by operators when purging the system.

Application Method

The application was done in accordance with a modified version of Belzona's VPF System Leaflets. Belzona 5871 was manually applied using a brush no larger than 20mm wide, with the bristles cut down to 25mm. The product was applied to achieve a thickness of of 6mm.

Belzona Facts

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.

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Alternatively they could have used conventional heat-insulation but much too expensive on small diameter pipework. Thanks to Belzona's innovation, there are no other similar products on the market making Belzona the best choice as a market leader.

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