

BELZONA FILLS PITTED AREAS AND COATS 54 INCH JET VALVE

ID: 5820



PROBLEM

Pitted areas of a 54 inch jet valve need to be filled and coated

APPLICATION SITUATION

54 inch jet valve

APPLICATION METHOD

The surface was prepared by blast cleaning to meet the minimum requirement of SA 2 1/2 or equivalent in accordance with ISO 8501-1. All edges or irregular protrusions were ground to a smooth contour and all dust, blast media and other debris were removed. All surfaces were degreased using a suitable cleaner-degreaser. The mixed Belzona 1111 was scrubbed into the pit in order to wet it out completely. Once wetted out, additional Belzona 1111 was applied to fill the pit and not just bridge over it. An applicator was used to contour Belzona 1111 to the shape of the vessel. Once cured, Belzona 1341 was applied at a thickness of 250-300 microns. The surface preparation for the valve was carried out as it was for the pitted areas. Belzona 1341 was then applied as a stripe coat and overcoated within the 24 hours overcoating window. The applied material was visually checked for pinholes to ensure proper application.

BELZONA FACTS

The Belzona solution allowed for the equipment to return to operation with minimum downtime.

INDUSTRY

General Industry

LOCATION

Scotland

APPLICATION DATE

May 2006

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 1341 (Supermetalgilde)

SUBSTRATE

Stainless Steel

PHOTOS

1. View of pitted shell
2. Pitting filled with Belzona 1111
3. View of valve prior to application
4. Completed application with Belzona 1341

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under an ISO 9001 Registered
Quality Management System.

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