

BELZONA SUPERWRAP II SEALS THROUGH CRACKS ON A 90 DEGREE FLANGE FOR A CHILLER PUMP

ID: 7654

Industry: Fluid Flow
Application: CEP-Centrifugal Pumps
Substrate: Cast Iron
Products: * Belzona 1111 (Super Metal) ,
* Belzona Superwrap II ,

Customer Location: Florida, USA
Application Date: Summer, 2017

Problem

The Customer attempted to repair the cracks. However, leaks still existed after the pump was reinstalled onto the chiller return line and tested. The new solution of Belzona Superwrap II was suggested for the 90 degree flange.



Photograph Descriptions

- * 1. Customer's attempted repair. ,
- * 2. Superwrap II application on the outside of the flange. ,
- * 3. Superwrap II application on the inside of the flange. ,
- * 4. Pump reinstalled and working after 4 months of operation nonstop and still working with no leaks. ,

Application Situation

The inside bend of a flange leaking return line chiller water at a theme park.

Application Method

Surface was prepared with abrasive blast clean following the Manufacturer's Instructions for Use. The ends of the through cracks were drilled and Belzona 1111 was applied into the inside of the cracks. Once Belzona 1111 set up and still within the overcoat time, 4 wraps of Belzona SuperWrap II were applied on the inside of the 90 degree bend of the flange and the outside to re-enforce it for strength. The application was carried out in accordance with a modified version of CEP-6 Belzona System Leaflet.

Belzona Facts

The Customer saved thousands of dollars in replacement costs. The alternative was to weld the through cracks but this would have caused more problems in the future. The Customer relied on Belzona to create a permanent solution.

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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