

Belzona to the Rescue for Higher Learning

ID: 1158

Industry: Buildings & Structures

Customer Location: University Central Energy Plant -
Laramie, Wyoming USA

Application: CEP-Centrifugal Pumps

Application Date: August 2008

Substrate: Concrete

Products: * Belzona® 1391 (Ceramic HT),
* Belzona® 1511 (Super HT Metal),

Problem

After one short year in service, the original coating was delaminating in large sheets exposing the concrete and rebar to the corrosive action of the hot condensate.



Photograph Descriptions

- * Central energy plant ,
- * Condensate tank after abrasive blasting ,
- * Belzona® 1391 after pinhole testing ,
- * Belzona application two years later requiring minor touchup due to substrate degradation ,

Application Situation

Subterranean condensate tank with an operating temperature of 186°F (86°C) and a design temperature of 220°F (104°C)

Application Method

Belzona® 1391 and Belzona® 1511 were applied in accordance with a modified version of Belzona Know-How System Leaflet VPF-2.

Belzona Facts

The original failed coating was discovered with only four days remaining in the annual shutdown. Belzona was easily able to recoat the tank in this limited timeframe and to date has given two years of trouble-free service.

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

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