

Belzona Repairs and Protects Pump Volute in Nuclear Plant

ID: 7582

Industry: Power Customer Location: Nuclear Power Station, France

Application: CEP-Centrifugal Pumps Application Date: 2011

Substrate: Concrete

Products: * Belzona 4111 (Magma Quartz),

* Belzona 1321 (Ceramic S-Metal),

Problem

After several years in service, the concrete started to show signs of erosion, showing regular wear and cracking. Repairs were needed, otherwise this wear would have accelerated and risked causing damage to heat exchangers.



Photograph Descriptions

- * 1. Surface preparation.,
- * 2. Application of Belzona 4111 in progress to rebuild the concrete wall. ,
- * 3. Final coat of Belzona 1321.,
- * 4. Finished application.,

Application Situation

This large concrete volute (120 m²) is a part of a big cooling pump from the secondary circuit in a nuclear power plant. The pump is moving 22m3/seconds of cooling water.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet CEP-03. Belzona 4111 and Belzona 1321 were used to repair and protect the walls.

Belzona Facts

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

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