

BELZONA REPAIRS AND PROTECTS A CONCRETE PUMP VOLUTE ON A WATER COOLING SYSTEM

ID: 7897



PROBLEM

The pump volute presented cracks and wear and needed to be rebuilt before it would propagate.

APPLICATION SITUATION

Concrete inside a pump circulating cooling water to a nuclear power plant.

APPLICATION METHOD

Application was carried out with an adapted version of Belzona System Leaflet FPA-01. After the surface preparation, the conditioner was applied and Belzona 4111 was used to rebuild the damaged area especially around the cutwater and all around the volute. Then, Belzona 1321 was used to protect the walls against erosion/corrosion.

BELZONA FACTS

The 2 volutes were repaired during the expected shutdown period of the equipment which means that it did not impact the production.

INDUSTRY

Power

LOCATION

France

APPLICATION DATE

September 2011

PRODUCTS

Belzona 4111 (Magma Quartz)
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Concrete

PHOTOS

1- After the surface preparation, conditioner application

2- Application of Belzona 4111

3- Final application

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