Reconstruction of a concrete tank in the pre-treatment plant using Belzona

Industry:	Chemical & Petrochemical	Customer Location:	Poland
Application:	WPA-Wall Problem Areas	Application Date:	2019
Substrate:	Concrete		
Products:	* Belzona 4111 (Magma Quartz) ,		
	* Belzona 4311 (Magma CR1) ,		

Problem

Destruction of the existing chemical resistant coating and significant losses in the tank ceiling beams. Degradation of the coating by chemically aggressive wastewater and their vapors. Cavities and cracks in the concrete walls and ceiling of the tank. Chemical corrosion of concrete resulting in weakening of floor beams.

Photograph Descriptions

* Treatment Plant ,
* Treatment Plant Problem ,
* Treatment Plant Application   ,
* Treatment Plant Complete with Belzona 4111 & Belzona 4311 ,

Application Situation

Reconstruction of defects and chemical protection of the concrete tank in the pre-treatment plant.

Application Method

The application was completed in accordance with Belzona System Leaflet TCC-15 Thorough cleaning under high pressure, scraping and abrasive blasting of walls and tank ceiling. Conditioning of the deep cavity surface with Belzona 4911 and then repairing with the Belzona 4111

Belzona Facts

Belzona selected due to high mechanical and impact resistance.

It provides exceptional abrasion resistance and excellent resistance to the effects of many types of chemical substances. High compressive strength, no shrinkage, expansion and deflection under load.