

Protection of River Water Tanks

Situation

The concrete tanks located in Poland had been in operation for over 8 years and are used to hold river water. The existing coating had eroded over a period of time and the concrete surface was being affected by continuous immersion in water.

Solution

To abrasive blast clean the concrete surface and then to prime and coat using DEP materials.

The concrete surface was primed using DEP 505 Dampseal and then DEP 501 Chemcoat CR was used to seal and protect the surface.

The 3000sq m project was completed over a 10 day period.

Application Details

The concrete tank was drained and allowed to dry for 10 days.

The concrete surface was abrasive blast cleaned to remove any existing coating or contamination.

A single coat of DEP 505 Dampseal primer was brush applied to the concrete surface at approximately 250microns.

Once the material had reached initial set, a single coat of DEP501 Chemcoat CR was applied by airless spray at 300-350 microns.

Outcome

Expected design life of the project is 10 years plus.

