

Guangzhou Datansha wastewater treatment plant

Case study 2011

Focus products:

Aeration Basin Internal - Interseal® 670HS;
3# Screening Basin: Intercrete® 4801,
Intercrete® 4820, Intercrete® 4840

Location: China

Applicator/fabricator: Maoming building
and construction company

ISO12944 environment: Im2

Project size: 8,500m² / 4,000L

Background

Guangzhou Datansha wastewater treatment plant is one of the largest in Guangzhou. Located on Datansha Island and capable of treating over 550 thousand tons of wastewater per day. This plant was completed in three phases with phase I in 1989, phase II in 1996 and phase III in 2008. Most of the assets in this plant were subjected to severe corrosion and comprehensive maintenance was planned. The aeration basins of the phase III plant were under maintenance in 2011 with a total area for lining protection of over 8,000 m². AkzoNobel worked closely with all project personnel to ensure the timely delivery of quality products formulated to match the performance expectations of the facility owner.

The solution

Technical seminars were organized with the owners to specify Interseal 670HS as the lining to protect aeration basins. The company offered technical service to assure the quality of the project and give the confidence to the owners for massive future maintenance projects. AkzoNobel also recommended Intercrete products to the owner and conducted a trial project in a screening tank with a lining scheme of Intercrete 4801, Intercrete 4820 and Intercrete 4840. Over 3,000L of Interseal 670HS was supplied to these projects for the lining of aeration basins and 60 kg of Intercrete for the trial project in screening basin. This project has created very positive endorsements which enable us enter the huge potential of maintenance business for the wastewater market in China.

