



SIKA AT WORK

SERVICE RESERVOIR, KENT, UNITED KINGDOM

WATERPROOFING: Sikalastic®, SikaTop®, SikaLatex®

BUILDING TRUST



PROTECTION OF STEEL COLUMNS AND WATERPROOFING OF CONCRETE WALLS

PROJECT DESCRIPTION

Project name: Service Reservoir. Protection of steel columns & waterproofing of concrete walls

Location: Kent, (UK)

Construction year: 2016

Size in m²: 250 m² (steel) + 360 m² (concrete)

This service reservoir in Kent is over 100 years of age and consists of mass concrete walls with steel columns supporting the concrete roof. The steel columns required a protective coating to prevent corrosion, and the walls required re-leveling to a smooth profile.

PROJECT REQUIREMENTS

The contract required the removal of all existing contamination back to sound concrete. A coating with a fast return-to-service time to protect the steel columns from corrosion. A cementitious levelling mortar with a fast return to service time to re-profile the concrete surface. All materials to be Regulation 31 approved for use in contact with potable water.



SIKA SOLUTIONS

The concrete surface was treated with high-pressure water to remove all contaminants. The steel columns were grit-blasted to eliminate corrosion products, after which Sikalastic® M 808 was applied in two coats using roller and brush. With a rapid return-to-service time of seven days at 7°C, Sikalastic® M 808 enabled the reservoir to be recommissioned on schedule.

SikaTop® 586 Seal, mixed with a SikaLatex®-600/water blend, was applied in a single 3 mm layer to create a smooth surface, re-profile the original concrete wall finish, and protect from the effects of the water. Its rapid return-to-service time of three days at 3°C ensured there was no delay between completing the re-profiling works and recommissioning the reservoir.

Sikalastic® M 808, SikaTop® 586 Seal and SikaLatex®-600 are Regulation 31 approved for use in contact with potable water.



SERVICE RESERVOIR, KENT

PROJECT PARTICIPANTS

Project owner: South East Water

Contractor: J Browne

Sika organization: Sika Limited



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