

Project:

Service Reservoir

Location:

Warwick

Owner/s:

Severn Trent

Applicator/Contractor:

Stonbury

Market sector:

Clean Water Industry

Products used & amounts:

MasterSeal 586 - 1200m²
MasterSeal 930 bandage with
MasterSeal 933 adhesive - 120
linear metres

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Service Reservoir, Warwick

Waterproofing of joints and concrete protection



Our reference in Warwick (United Kingdom): Service Reservoir

The background

This underground service reservoir lies in the heart of the Warwickshire countryside. The concrete structure required maintenance to the joints and re-levelling of the internal concrete surface.

The challenge

The contract required the removal of all existing contamination back to sound concrete.

A moisture tolerant adhesive and joint bandage was needed that could offer a fast return to service time to seal the leaking joints.

The contract required a cementitious levelling mortar with a fast return to service time to re-profile the concrete surface.

All materials had to be Regulation 31 approved for use in contact with potable water.

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Our solution

The concrete surface was treated with high pressure water to remove all contaminants. MasterSeal 930 bandage was applied onto MasterSeal 933 moisture tolerant adhesive to seal the vertical and horizontal joints. MasterSeal 586 was applied in one layer of 3mm to re-profile the concrete walls.

The customer's benefit

- MasterSeal 933 adhesive can be applied to surface-dry concrete, avoiding the extra cost of heating to dry the concrete. The fast return to service of 10 days at 7°C enabled the reservoir to be recommissioned on schedule.
- MasterSeal 586 applied at 3mm provides a smooth surface to reconstitute the original concrete finish. The 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.
- MasterSeal 930 bandage, MasterSeal 933 adhesive and MasterSeal 586 levelling mortar are all Regulation 31 approved for use in contact with potable water.

Projects facts at a glance

- Potable water reservoir servicing Warwick
- Preparation of the concrete surfaces
- Regulation 31 approved joint bandage and levelling mortar applied

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