

Project:

Meades Service Reservoir

Location:

Eastbourne, East Sussex

Owner/s:

South East Water

Applicator/Contractor:

J Browne

Market sector:

Water Management Industry

Products used & amounts:

MasterSeal 588 - 1000m²

MasterSeal 930 /933 - 1700

linear metres

Sales contact:

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Meades Service Reservoir No.1, Eastbourne

Waterproofing of joints and concrete protection



Our reference in Eastbourne (United Kingdom): Meades Service Reservoir No.1

The background

Meades Reservoir is located on the chalk hills above Eastbourne at well-known beauty spot Beachy Head. The underground reservoir required joint replacement and internal waterproofing to prevent moisture loss or ingress.

The challenge

The contract required the removal of all existing contamination back to sound concrete. A moisture tolerant adhesive and joint bandage were needed that could provide a fast return to service time while sealing the leaking joints.

A flexible cementitious membrane to coat the concrete and accommodate any future movement within the structure completed the specification. 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 588 was applied to the concrete by brush in two coats of 1mm per coat. MasterSeal 588 White was applied followed by a second coat of MasterSeal 588 Grey.

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 588 forms an elastomeric membrane in dry conditions and when fully immersed, which accommodates any potential movement in the structure once filled.
- MasterSeal 930 bandage, MasterSeal 933 adhesive and MasterSeal 588 elastomeric membrane are all Regulation 31 approved for use in contact with potable water.

Projects facts at a glance

- Potable water reservoir servicing Eastbourne
- Preparation of the concrete surface
- Regulation 31 approved joint bandage and coating applied.

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The Master Builders Solutions brand brings all of BASF's expertise together to create chemical solutions for the new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

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Further information is available at:

www.master-builders-solutions.basf.co.uk