

**Project:**  
Service Reservoir

**Location:**  
East Sussex

**Owner/s:**  
South East Water

**Applicator/Contractor:**  
J Browne

**Market sector:**  
Clean Water Industry

**Products used & amounts:**  
MasterSeal 588 - 1000m<sup>2</sup>  
MasterSeal 930 /933 - 1700 linear metres

**Sales Contact:**  
Darren.priddle@mbcc-group.com

**Technical Contact:**  
christopher.gallivan@mbcc-group.com

## Service Reservoir, East Sussex

### Waterproofing of joints and concrete protection



Our reference in East Sussex (United Kingdom): Service Reservoir

#### The background

This service 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.

**Head Office:**  
Master Builders Solutions UK Ltd  
Swinton Hall Road  
Swinton Manchester  
M27 4EU, United Kingdom

T: +44 (0)161 727 6300

**Redditch Office:**  
Master Builders Solutions UK Ltd  
19 Broad Ground Road, Lakeside,  
Redditch, Worcestershire,  
B98 8YP, United Kingdom

T +44 (0)1527 512 255

# Meades Service Reservoir No.1, Eastbourne

## Waterproofing of joints and concrete protection



Our reference in East Sussex (United Kingdom): Service Reservoir

### 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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Further information is available at:  
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