

Project:
Reservoir Roof

Location:
West Sussex

Owner/s:
Southern Water

Applicator/Contractor:
J Browne Construction

Market sector:
Clean Water Industry

Products used:
MasterSeal P 660 Primer
MasterSeal M 689 Membrane

Sales Contact:
Darren.pridle@mbcc-group.com

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

Reservoir Roof, West Sussex

Spray applied Polyurea waterproofing on a concrete roof



Our reference in West Sussex (United Kingdom): Reservoir Roof

The background

The roof of this concrete reservoir required waterproofing before back filling.

The challenge

The roof had an existing waterproof sheet membrane which was to remain in place.

A fast-curing primer was required that would be compatible with and bond to the flexible membrane beneath.

A rapid setting, UV resistant, elastomeric spray applied polyurea membrane was required that would waterproof both the roof, vertical upstands and edge details.

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

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Our solution

The surface of the membrane was cleaned and dried. MasterSeal P 660 primer was applied by roller to the surface of membrane and sand blinded to provide a mechanical key for the topcoat.

MasterSeal M 689 polyurea membrane was applied by spray over the roof, upstands and edge details to ensure a seamless film build was achieved over the structure.

The customer's benefit

- MasterSeal P 660 cures rapidly allowing the membrane to be applied without delay.
- MasterSeal M 689 rapid setting 100% polyurea membrane provides a tough elastomeric surface that can take light foot traffic within minutes of application.
- Spray application enabled roof, upstand and edge details to be coated in a seamless application.
- MasterSeal M 689 is resistant to rain showers within minutes of application.
- MasterSeal M 689 can be covered with geotextile drainage board and backfilled with soil one day after application.

Projects facts at a glance

- Reservoir roof West Sussex
- Waterproofing over an existing membrane
- Rapid curing primer to speed application
- Rapid setting, elastomeric membrane.

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