

Project:
Water Treatment Works

Location:
East Sussex

Owner/s:
Southern Water

Applicator/Contractor:
J Browne Construction

Market sector:
Clean Water Industry

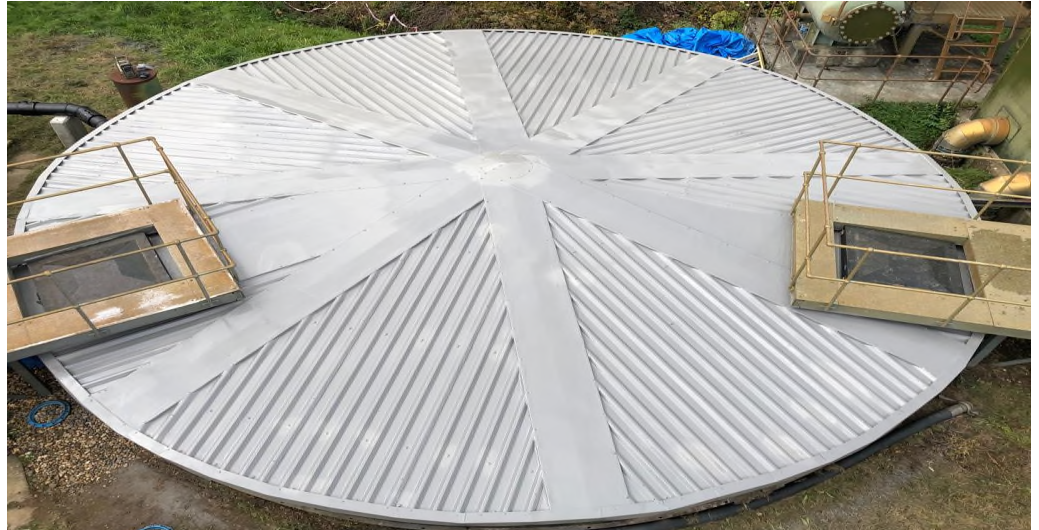
Products used:
MasterSeal P 660 Primer
MasterSeal M 689 Membrane

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Water Treatment Works, East Sussex

Waterproofing corrugated metal roof of contact tank



Our reference in East Sussex (United Kingdom): Water Treatment Works

The background

The roof of a buried contact tank constructed of corrugated steel panels required sealing at the panel junctions to prevent ingress of airborne debris.

The challenge

The construction of the circular tank roof had left many joint interfaces that were difficult to seal.

A fast curing primer was required that could be applied onto the corrugated steel panels.

A rapid setting, UV resistant, elastomeric spray applied membrane was required that would follow the contours of the roof profile.

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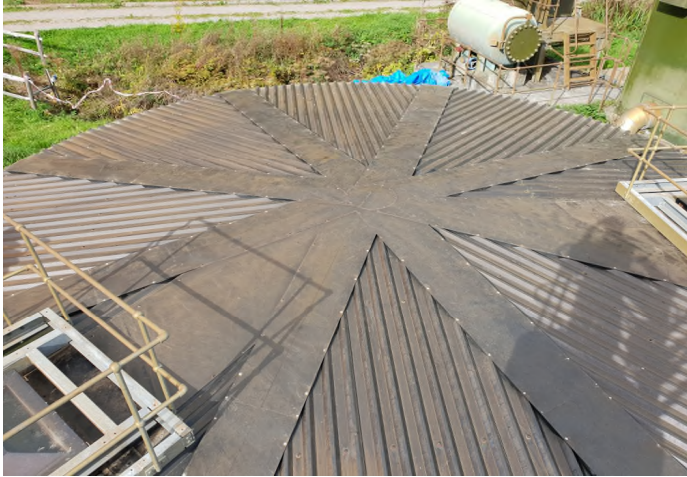
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Our solution

The steel surface was jet washed to remove all contaminants. The surface of the steel was hand abraded to provide a mechanical key. The voids beneath the capping strips were plugged with a PU foam strip and pointed with a sealant. MasterSeal P 660 primer was applied by roller to the surface of the steel panels and sand blinded to provide a mechanical key for the top coat. A stripe coat of MasterSeal M 689 was applied over the capping strips to ensure a seamless film build was achieved at these junctions; followed by a second coat over the whole structure at 1.5 mm thickness.

The customer's benefit

- MasterSeal P 660 can be applied to steel surfaces and cures rapidly allowing the membrane to be applied without delay.
- MasterSeal M 689 rapid setting 100% polyurea membrane is resistant to UV light and does not require a protective top coat.
- Spray application enabled all the contours and connections to be coated producing a seamless membrane.
- MasterSeal M 689 is resistant to rain showers within minutes of application.

Projects facts at a glance

- Contact tank roof East Sussex
- Waterproofing corrugated metal roof
- Rapid curing primer to speed application
- UV resistant, rapid setting, elastomeric membrane.

Master Builders Solutions by MBCC Group

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Master Builders Solutions is built on the experience gained from more than a century in the construction industry. At the core of the Master Builders Solutions brand is the combined know-how and experience of a global community of construction experts, who connect with you to solve all of your construction challenges.

Further information is available at:
www.master-builders-solutions.com