Wells Sewage Treatment Works, Glastonbury
Application of a chemically resistant coating to sewage tanks

The background

The aeration tanks and anaerobic sludge digesters at Wells Sewage Treatment Works in Somerset required waterproofing prior to the upcoming Glastonbury Festival, for which it services the facilities.

The challenge

The contract required the removal of all existing contamination back to sound brickwork before applying a fast-setting mortar to patch and point the brickwork. The coating system to be used needed to resist an acidic environment and a further constraint was the limited possession time.
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Our solution
The brickwork surface was treated with high-pressure water to removal all contaminants prior to repairs and repointing using MasterSeal 590 rapid-setting mortar. The dry brick substrate was primed with one coat of MasterTop P 660 rapid-setting polyurethane primer and a topcoat comprised of two coats of MasterSeal M 336 flexible epoxy polyurethane coating was applied by brush and roller.

Benefits to the customer
- The use of MasterSeal 590 allowed the repairs to be primed after one day.
- MasterTop P 660 rapid setting polyurethane primer enabled the MasterSeal M 336 topcoat to be applied without delay, reducing the overall application time by several days from preparation to commissioning.
- MasterSeal M 336 provided chemical resistance with the flexibility to accommodate the seasonal thermal fluctuations caused by its external location.

Projects facts at a glance
- Treatment works servicing Glastonbury Festival
- Removal of existing contamination and repairs to brickwork
- Master Builders Solutions supplied products to repair, prime and coat tanks

Master Builders Solutions from BASF
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.

The know-how and experience of a global community of BASF construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide. We leverage global BASF technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction.

The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair & protection solutions, performance grouts, performance flooring solutions.

Further information is available at: www.master-builders-solutions.basf.co.uk