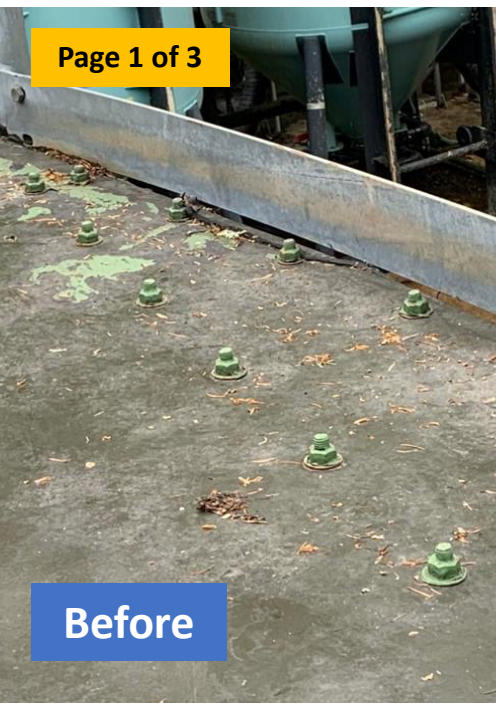
Water Tank Lid Re-Coating

Here we present the re-coating of a defective steel water tank lid using fibreglass (GRP). The tank lid itself was showing signs of leaking and given that it contained drinking water, external contamination needed to be prevented. The strategy selected by Strandek and the customer was to provide a fibreglass (GRP) lining. This was a 5-day project that required the removal and re-installation of over 3,000 steel bolts, each of which was treated with a resin waterproofing system.



Performance

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The robustness of the Strandek® glass fibre system has been proven since 1976 and is an excellent way to waterproof any property.

Steve Bowen®, Managing Director, Strandek GRP Systems

About Strandek

Established in 1976, Strandek specialise in a range of waterproofing solutions. Working with a range of customers, they offer exceptional performance and a high-quality of workmanship.

Our Accreditations

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The first stages of this project involved the removal of each bolt and the shot-blasting back of the steel surface to present a more suitable bonding layer for the resin primer. The resin primer used to enhance bonding was a G4 primer from Resin Library. This was applied to the lid of the tank. Thereafter, fibreglass (glass fibre) matting was applied and blended with unsaturated polyester resin to provide the primary waterproofing layer. It was then allowed to cure.

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The final step of the work involved the application of a resin topcoat to provide enhanced waterproofing and a seamless barrier for the laminate. In addition, complex detailing was performed around regions traditionally prone to leaking. Thereafter, the laminate was systematically coated with the grey resin topcoat. This was then allowed to cure and rendered the lid of the steel storage tank fully waterproof. The expected lifetime is 10 – 20 years depending on maintenance work