

Project Profile - Utilities



PROJECT

Weiser Wastewater Treatment Plant, Idaho, USA

SUMMARY

Waterproofing of concrete aeration basin and sealing of leaking kicker joints

PRODUCTS

Monolevel FC
Monolite
Cemprotec Elastic

CLIENT

City of Weiser, Idaho, USA

CONTRACTOR

Liquid Plastics Inc.

BACKGROUND ►

The aeration basin building at the Weiser Wastewater Plant consists of four inter-connected concrete tanks as well as the head works for the sewage treatment plant.

This part of the plant dates back to 1987 and consists of cast in-situ concrete. Despite several attempts to seal the kicker joint at the transition between the upper and lower wall, all have failed causing leakage and a potential contamination hazard.

THE SOLUTION ►

Following a successful trial over the kicker, **Cemprotec Elastic** was chosen to form a flexible, seamless waterproofing membrane to all internal faces because of its high impermeability to water, resistance to sewage and excellent crack bridging properties. Surfaces were sand blasted and pressure washed to remove contamination prior to bag rubbing with **Monolevel FC** to fill minor voids and cavities. A fillet of **Monolite** was laid at the wall/floor joint to ensure this critical area was sealed. **Cemprotec Elastic** was applied using a Graco Texspray GM1030 in 2 x 1mm coats with the first coat reinforced with **Cemprotec Scrim** in critical areas.



FM 41091
EMS 597350
OHS 597351

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