

Application Field: Concrete Repair

Market Field: Water Industry

## ORANGE SEWAGE TREATMENT PLANT



**Requirement:** The Orange City Council needed to repair the main digester tank in the Orange STP. After several discussions with STP management and the contractor, Sika was asked to supply the repair and grouting products for the digester tank.

**Solution:** The roof and walls of the tank were grit blasted, steel was cleaned and painted with SikaTop-110 EpoCem, the substrate was primed with Sikadur-32 and lined with Sikadur-31/41. The sides and walls of the tank were protected with Sikagard-720 EpoCem before the application of 3 coats of Sikagard-62. The openings for the pipes and valves were grouted using Sikadur-42 (and the temperature was around 3-5°C). Sikakdur-51 flexible epoxy was applied around the openings of the pipes and valves in order to accommodate any movement due to vibration and provided water tightness.

### Product Used:

SikaTop-110 EpoCem: bonding agent and anti-corrosive coating.

Sikadur-32: epoxy resin bonding agent.

Sikagard-720 EpoCem: superfine epoxy cement sealing mortar and temporary moisture barrier.

Sikagard-62: solvent free epoxy coating.

Sikadur-31: thixotropic epoxy resin adhesive mortar.

Sikadur-41: high strength epoxy resin patching mortar.

Sikadur-42: high strength pourable epoxy resin grout.

Sikadur-51: flexible epoxy resin joint sealant.

### Project Details

<b>Date:</b> October 2003	<b>Location:</b> Orange, NSW
<b>Specifier:</b> Orange City Council	<b>Contractor:</b> Jeff Hort Engineering
<b>Sika Representative:</b> Sam Toglow	<b>Reference:</b>

