



## Chem Grout CG-570 Thick Mix Series

Precast concrete abutment grouting

### CASE STUDY

## Background

Civilbuild, a family-owned civil contractor specialising in pre-cast panels and foundations, were awarded works on the upgrade of a boat ramp and surrounding infrastructure. The works included full upgrades of the beach ramp and pier, retaining wall replacements, relocation of sewer mains and installation of a gross pollutant trap with a storm water outlet structure. Grouting work was required to secure the steel reinforcement bars to the precast abutment and the concrete pile headstocks. Civilbuild were seeking a short-term rental solution.

## CGS Solution

The ChemGrout CG-570 was selected as the most appropriate grout plant for the project, due to its simplicity of design, ease of use and reliability.

The CG-570 includes a single mixing tank equipped with variable-speed, high-efficiency paddles that provide rapid mixing. Wiper blades prevent material buildup on the inside of the mixing tank.

The tank outlets are large slide gates that allow the thickest materials to fall easily into the pump hopper. The holding hopper includes an auger to keep the material thoroughly mixed while constantly supplying the pump for continuous operation.

The positive displacement, progressive cavity, rotor-stator pump can deliver over 30 L/min and 500 PSI (34 bar).

Working within tight time frames at low tide, the grout plant was placed on the beachfront and pumped the specialised water-resistant grout mix to the point of placement atop each piling headstock. Each of the 8 precast abutments required 400 litres of grout, which was pumped to a depth of 300mm.

The CG-570 Thick Mix Series is the perfect grout plant for reinforcement, remedial and repair projects.

Contact CGS Equipment today to discuss how the Chem Grout range can help your business deliver bigger, better projects with confidence.

