CGS EQUIPMENT

Quality mixing and pumping solutions
for all things Concrete, Grout and Screed

Chem Grout CG-570 Thick Mix Series

Remediation works

CASE STUDY

Background

Situated in Sydney's western suburbs, OI Glass is a major glass manufacturer, producing a significant volume of glass bottles for the Australian market. CGS customer, Beroa, was awarded the contract for completion of major shutdown works as part of the refractory maintenance program. The program included remediation works on the refractory chimney stack, 55m high.

CGS Solution

The ChemGrout CG-570 was selected as the most appropriate grout plant for the remediation project, in particular due to its ability to pump thicker repair-style grout mixes over a significant vertical and horizontal distance.

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).

The job involved the use of abseilers, scaffolding and custom-manufactured stainless steel interlocking sleeves used to encase the spoiled concrete chimney. The cementitious grout mix (high flow, high strength, shrinkage compensated), containing 1mm aggregates, was pumped from ground level up to the top of the 55m stack through a 1" grout hose fastened to the scaffold, then injected into the sleeve. Over 1.8m3 of material was pumped in 1.3 hours. The complete project, including preparation works, grouting and installation of panels, took 11 weeks to complete.

The CG-570 Thick Mix Series is the perfect grout plant for ground remedial and restoration projects. Contact CGS Equipment today to discuss how the Chem Grout range can help your business deliver bigger, better projects with confidence.

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