

Concrete pump plinths repaired with Belzona

ID: 10251

Industry: Water / Wastewater
Application: FPA-Floor Problem Areas
Substrate: Concrete
Products: Belzona 7111

Customer Location: Newcastle
Application Date: March 2026

Problem

Customer was facing issues with damaged concrete pump plinths at a pumping station which had previously been repaired with cement/concrete material, which had failed after a period of time due to vibrations from the pumps. The customer was looking for a more permanent long term solution for the application.



Concrete plinths had been worn away due to vibration from pumps



The plinths required a long term durable solution that can withstand the effects of constant vibration



The shuttering is applied around concrete plinths and Belzona 7111 is poured into the recess



Belzona 7111 is cured and the plinths now have a durable base for the pumps

Application Situation

After carrying out a site survey, Belzona 7111 Chocking compound was recommended for the repair of the five plinths. All loose concrete was removed back to solid concrete. Shuttering was cut to size, coated with a release agent and assembled around the plinths. Belzona 7111 was mixed and poured into the dammed voids and allowed to cure. Once cured, shuttering was removed.

Application Method

Rebuilding of the plinths was performed in accordance with leaflet (FPA-01). Manual hand tools were used to remove loose debris and the shuttering was treated with a release agent. Belzona 7111 was poured into the shuttering.

Belzona Facts

Belzona 7111 is a long term, durable chocking compound that is a viable replacement for concrete plinths to withstand physical and thermal shocks.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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