

Sealing pipes around a chemical sump

ID: 10054

Industry: Chemical & Petrochemical

Customer Location: Scotland, UK

Application: TCC-Tanks and Chemical Containment Areas

Application Date: September 2024

Substrate: Concrete

Products: Belzona 4111 (Magma-Quartz), Belzona 4911 (Magma TX Conditioner)

Problem

A series of pipes entering a chemical sump were found to be a leak path for water to enter the sump. This leak path needed to be stopped as the chemicals within the sump could react violently with water



Pipe excavation



Close up showing leak path



Surface preparation



Belzona 4911 & Belzona 4111 applied

Application Situation

Mortar repairs had been attempted in the past. They were found to be ineffective due to their porous nature & poor adhesion to existing concrete. The Belzona solution was selected due to its impermeable nature & excellent adhesion to different substrates.

Application Method

The pipes & concrete wall were grit blasted. Belzona 4911 TX Conditioner was applied & then Belzona 4111 was built up around the pipes to seal any potential leak paths

Belzona Facts

Using the Belzona solution ensured a fast back to service repair with excellent longevity

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

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