

Application Focus

Chemical Attack - Concrete

Concrete chemical containment areas including bunds, sumps, plinths, channels and sluices are susceptible to deterioration through attack from chemicals and mechanical or structural damage.

If the deterioration is not addressed the structural integrity of the concrete will be seriously undermined with the potential for chemical leakage and possible complete structural failure resulting in:

- Unplanned outage
- Environmental impact
- Clean up and disposal expense
- Safety hazards

These costly after-effects can be prevented using the **Belzona® Chemical Containment Repair and Protection Solution**.

By utilising a cold applied cost effective Belzona® solution, concrete chemical containment structures can be repaired and protected to resist chemical attack. This results in preservation and long term protection of the concrete which eliminates possible structural failure and loss of chemical containment.

Belzona® can provide the answer to chemical attack in concrete that will:

- Reduce environmental impact
- Minimise downtime
- Meet legislative requirements
- Eliminate expensive replacement costs



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Belzona® provides the solution to your repair and maintenance needs.


BELZONA®
Repair • Protect • Improve

Application Case Study

“ An inspection of a nuclear power station discharge sluice found the concrete to be suffering from severe deterioration due to acid attack. A previously applied cementitious screed had been damaged due to impact. Subsequently the acid penetrated the concrete, attacking the underlying substrate leaving large voids in the sluice channel. ”



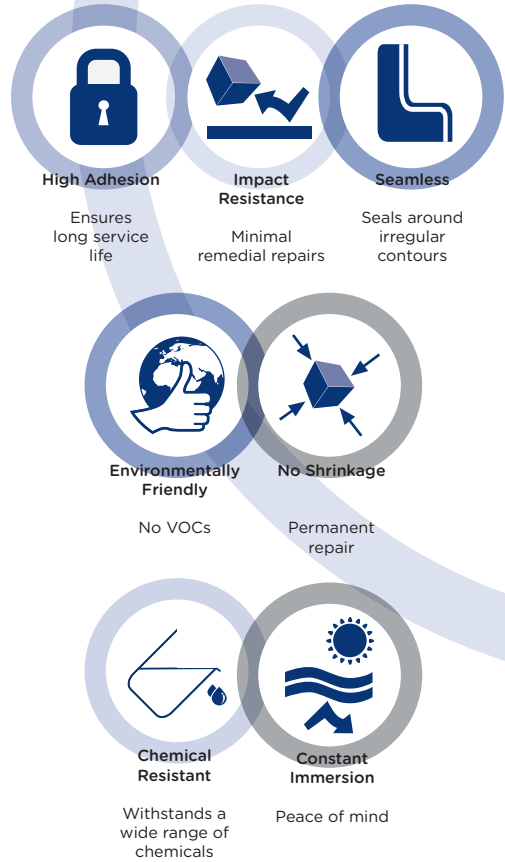
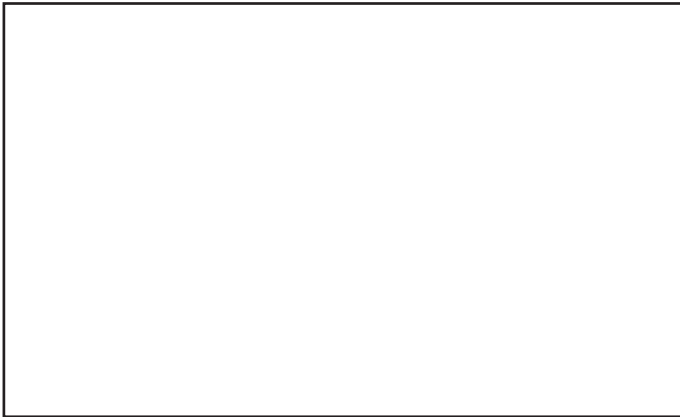
Chemical Containment Repair & Protection Solution

Belzona® provided a cost effective solution to prevent chemical attack and reduce further deterioration of the sluice channel which was frequently exposed to sulphuric acid above ambient temperatures. The Belzona® solution offered greater impact and chemical resistance that provided long term protection of the sluice channel. **The work undertaken enabled a fast return to service of the channel, which ensured minimal disruption to the power station operations team.**

The Belzona® Chemical Containment Repair and Protection Solution was applied to a similar sluice channel at a coal fired power station which, **when inspected six years later, was found to be in excellent condition.**

For further detailed information refer to:
 Belzona® **Product Specification**
 Belzona® **Instructions For Use**
 Belzona® **KNOW-HOW** *In Action*

For more information, please contact your local Belzona® representative:



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