

# BELZONE EFFECTS EMERGENCY REPAIRS TO LEAKING SWIMMING POOL

ID: 4248

Industry:

Customer Location: Public swimming pool, British Columbia, Canada

Application: FPA-Floor Problem Areas

Application Date: August 2011

Substrate: Concrete

Products: \* Belzona® 4111 (Magma Quartz) ,  
\* Belzona® 2211 (MP Hi-Build Elastomer) ,

## Problem

Vibration from the use of a "jackhammer " by a contractor in the pool basin to expose leaking pipes had caused cracks to develop in the concrete grout forming the edges of this pool's unique expansion joint system. Dye testing located 12 separate leaks.



## Photograph Descriptions

- \* The grout used to form the expansion joint sides, and the crack in it, are visible above the hand weight used to mark leak locations during dye testing ,
- \* The void beneath the crack is exposed ,
- \* The joint repaired. Twelve separate leaks were isolated and sealed ,

## Application Situation

Public swimming pool in emergency shutdown due to chronic water leakage.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets FPA-5 & FPA-6. Cracked grout was removed and joint edges rebuilt with Belzona® 4111, followed by repair with Belzona MP Elastomer of the expansion joints in affected areas.

## Belzona Facts

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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The emergency Belzona repairs were completed over a period of two days and the pool was re-opened to the public one week after the Belzona repairs had been completed. Leakage was found to be even lower than before the initial problem had arisen.

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