

BELZONA REPAIRS 100 YR OLD WATER DAM

CUSTOMER

Michigan, USA

APPLICATION DATE

September 2016

APPLICATION SITUATION

100 yr old concrete hydro dam

PROBLEM

The face of the concrete hydro dam was damaged at the waterline due to ice and wave. The damaged area is partially submerged and the entire area frequently wet from wave action. The dam has been declared a historic site so repair materials need to closely match the appearance of the original material.

PRODUCTS

Belzona 4131 (Magma-Screed)

Belzona 4141 (Magma-Build)

Belzona 4911 (Magma TX Conditioner)

SUBSTRATE

Concrete

APPLICATION METHOD

A temporary dyke was created around the area needing repair. Compressed air was used to blow the standing water off the damaged area. The surface was prepped with chisels and a bristle blaster. Dust and loose debris were blown off. Belzona 4911 was applied and the repair was made with Belzona 4141 to just below the desired finish level. Finally a coat of Belzona 4131 was applied to finish the work.

BELZONA FACTS

Belzona was chosen because of its rapid cure, non-shrink and superior adherence characteristics. Magma build was chosen due to the need to work without forms and Magma Screed for color and finish.

PICTURES

1. Damaged area at waterline
2. Work in process.
3. Finished repair



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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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

UK • USA • Canada • Thailand
www.belzona.com


BELZONA
Repair • Protect • Improve