

ONTARIO  
**KNOW-HOW  
IN ACTION**

**BELZONA**<sup>®</sup>  
GREAT LAKES

020/2021

**WASTEWATER  
HANDRAIL POSTS  
CONCRETE REPAIR**

  
**BELZONA**<sup>®</sup>  
Repair • Protect • Improve  
AUTHORIZED DISTRIBUTOR

# THE PROJECT

CONCRETE REPAIR  
JUNE, 2015

A wastewater treatment plant in the city of Straffordville was having issues with the concrete around several of their handrail posts. Some of the damage was from a combination of environmental (freeze thaw effect) and proximity of the concrete to the clarifier tanks.

Concrete has a reputation for being extremely durable and long lasting, but many facility managers are unaware that concrete is also highly susceptible to long-term damage from chemical attacks. The porous nature of concrete allows for chemicals to easily permeate through concrete.

## EXCELLENT ADHESION

The customer already had experience with Belzona concrete repair solutions, so they contacted us to see what product we would recommend.

We visited the site and after inspection we recommend Belzona 4131 (Magma-Screed) for this application.



# THE SOLUTION

Belzona 4131 (Magma-Screed) is a high performance non-porous resurfacing material that provides excellent environmental protection.

Before product application, a grinder was used to prepare the surface and any loose concrete was removed. Belzona 4911 (Magma TX Conditioner) was applied to the prepared surface using a stiff bristle brush. Then, Belzona 4131 (Magma-Screed) was applied in accordance with Belzona Instructions For Use.

## DURABLE RESULTS



A wooden mold with Belzona 9411 (Release Agent) was used to achieve the correct dimensions. Then, a trowel was used to achieve a smooth finish.

**Belzona 4131 (Magma-Screed) is a two component system for the repair and resurfacing of concrete and stonework. This product exhibits good chemical resistance and outstanding environmental protection. Belzona 4131 (Magma-Screed) offers a water and weatherproof solution that will not expand, contract or distort. This multi-purpose material will also provide a seamless finish.**