

# BELZONA PERMANENTLY SECURES HANDRAIL POSTS

ID: 327

Industry: Water / Wastewater

Customer Location: Municipal sewage treatment facility in Minnesota, USA

Application: FPA-Floor Problem Areas

Application Date: Spring 2000

Substrate: Concrete

Products: \* Belzona® 4151 (Magma Quartz Resins),

## Problem

Liquid was pooling around these handrails, spalling the concrete and loosening the rails at this municipal sewage plant to such an extent that worker safety was in question.



## Photograph Descriptions

- \* Removing loose debris from the handrail post/concrete interface ,
- \* Injecting Belzona® 4151 into the handrail post hole ,
- \* Filling in the irregularity with the aggregate ,
- \* Finished repair by mounding the resin to the shed water ,

## Application Situation

Spalled concrete around handrail posts at a sewage treatment plant.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets FPA-10.

## Belzona Facts

Other cementitious-based repair materials shrink and crack, often allowing liquid a path to migrate through. This causes further spalling in a relatively short period of time.

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

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manufactured under an ISO  
9000 Registered Quality  
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