

# Belzona 4181 Repairs Secondary Containment Systems in Sweden

ID: 9789

Industry: Steel & Metal Processing

Customer Location: Torshälla, Sweden

Application: TCC-Tanks and Chemical Containment Areas

Application Date: 2024

Substrate: Concrete

Products: Belzona 4181 (AHR Magma-Quartz), Belzona 4911 (Magma TX Conditioner), Belzona 4981 (Magma HT Conditioner)

## Problem

The highly corrosive environment (hydrofluoric, nitric and sulfuric acid) of this secondary containment area below a picking line was suffering extreme erosion on the 550m<sup>2</sup> of concrete and its failing GAP-coating.



Extent of the chemical attack.

Belzona 4181 rebuilding the damage.

Application in progress.

Completed.

## Application Situation

Every steel mill that refines its product through pickling or electrolytes has issues with harsh chemicals. During a planned shutdown, an inspection revealed the extent of the damage to the concrete.

## Application Method

We started by water-jetting the old concrete and then we recast the old gutters and channels, we then raised the containment edge. Followed by the conditioning of Belzona 4911 to the areas to be coated. And then finished of by applying Belzona 4181.

## Belzona Facts

Testing at a third-party laboratory, and other work were done before the application was approved by the customer.

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FS 695214  
ISO 14001:2015  
EMS 695213

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