

BELZONA 4181 REPAIRS SECONDARY CONTAINMENT SYSTEMS IN SWEDEN

ID: 9789



PROBLEM

The highly corrosive environment (hydrofluoric, nitric and sulfuric acid) of this secondary containment area below a pickling line was suffering extreme erosion on the 550m² of concrete and its failing GAP-coating.

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 off 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.

INDUSTRY

Steel & Metal Processing

LOCATION

Torshälla, Sweden

APPLICATION DATE

2024

PRODUCTS

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

SUBSTRATE

Concrete

PHOTOS

1. Extent of the chemical attack.
2. Belzona 4181 rebuilding the damage.
3. Application in progress.
4. Completed.

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