

BELZONA PROTECTS WASTE WATER TANK

CUSTOMER

Pulp Factory, Southern Germany

APPLICATION DATE

June to December 2007

APPLICATION SITUATION

10,600 cubic metre waste water tank with inner surface of 3000m² containing waste water from pulp production.

PROBLEM

Tar epoxy coating had failed especially in vapour phase due to limited chemical resistance against Sulfite solutions. Corrosion had led to more than 1000 holes in roof and leaks in side walls.

PRODUCTS

Belzona® 1121 (Super XL-Metal)

Belzona® 5811 (Immersion Grade)

SUBSTRATE

Carbon Steel

APPLICATION METHOD

Failed coating was removed by ultra-high pressure water jetting and grit blasting. Steel plates were welded in tank to guarantee mechanical integrity. Rebuilding of pitted steelwork carried out in accordance with Belzona Know-How System Leaflet TCC-5. Coating by heated airless spray in 2 layers.

BELZONA FACTS

Resistance of Belzona products had been proven over three years, through leak repairs carried out to keep tank in production. Cost saving as compared to new tank: app. 4.5 million EUR.

PICTURES

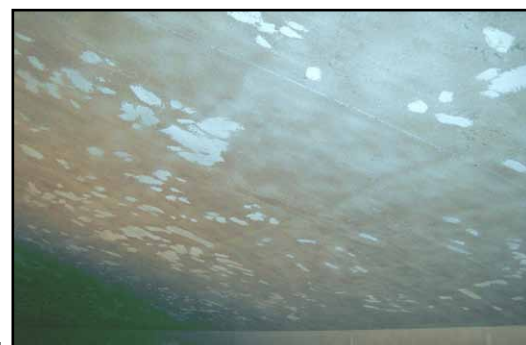
1. 10600cbm tank
2. Welded steel plates during crack testing
3. Rebuilding of pitted surface with Belzona® 1121
4. Hot sprayed surfaces with Belzona® 5811 before scaffold was taken out



1.



2.



3.



4.

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

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