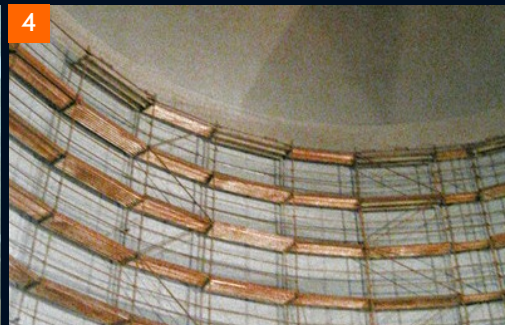


BELZONA PROTECTS WASTE WATER TANK

ID: 1098



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.

APPLICATION SITUATION

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

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.

INDUSTRY

Pulp & Paper

LOCATION

Pulp Factory, Southern Germany

APPLICATION DATE

June to December 2007

PRODUCTS

Belzona 1121 (Super XL-Metal)
Belzona 5811 (Immersion Grade)

SUBSTRATE

Carbon Steel

PHOTOS

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

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

www.belzona.com

