

BELZONA'S PREVENTIVE PROTECTION FOR A GEOTHERMAL PLANT CYCLONE

CUSTOMER

France

APPLICATION DATE

2018

APPLICATION SITUATION

Preventive application on a cyclone in a geothermal plant.

PROBLEM

New equipment has to withstand extreme conditions such as high temperatures (around 100°C in immersion), high flow rates and high salt concentrations. It needs a protective coating that could prevent erosion and resist in immersion in hot brine at 100°C.

PRODUCTS

Belzona 5892 Belzona 1523

SUBSTRATE

Steel

APPLICATION METHOD

The steel was grit blasted first, then all the surfaces in contact with brine and the inside of the exhausts were coated with Belzona 5892. Belzona 1523 was then used for the protection of the parts exposed to important erosion and high temperatures.

BELZONA FACTS

The customer chose a Belzona solution for its speed of execution and to avoid transporting all the cyclone parts overseas for coating. This other coating needed to be cured at really high temperature which was not convenient for such a big application.

PICTURES

1. Equipment overview after grit blasting.
2. Protection with Belzona 1523.
3. Protection with Belzona 5892.
4. Protection with Belzona 5892.



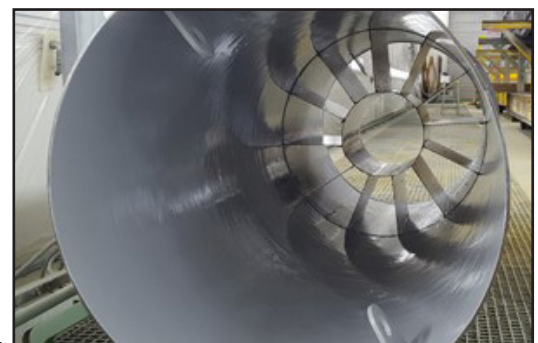
1.



2.



3.



4.

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