



Coatings for Biogas Applications:

Durable corrosion protection in salt-laden air - Coating for roof construction of huge biomass tanks

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Pictures: FMW Industrieanlagenbau GmbH, AT-Kirchstetten

» The coastal climate, constantly moist and salt-laden air, is highly corrosive for metal components. To provide a long-lasting corrosion protection for the roof constructions the trapezoidal sheets were coated on both sides with our proven coating system „Ceramic-Polymer SF/LF“. This product fulfills all specific requirements according to ISO standard 20340.



Therefore, „Ceramic-Polymer SF/LF“ is qualified for all kinds of off-shore applications and offers an outstanding corrosion resistance in aggressive environments.

The outer faces were coated supplementary with our polyurethane top coat „Proguard 169“, which provides already with a thin layer of 50 µm an extreme stability against UV radiation and weathering as well as excellent abrasion resistance and color stability.

Technical Information:

Project: Coating of trapezoidal sheets for roof constructions

Tanks: 2 silos for biomass (wood chips and barks)

Dimension:

Each tank has a diameter of 22 m and a capacity of 8.500 m³

Location: Farmsum, Netherlands – directly at the North Sea shore



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Our Products:

- Ceramic Polymer SF/LF
- Proguard 169

Picture: AREVA Renewables GmbH, D-Bremen



Do you need durable corrosion protection for aggressive environments?

Our portfolio provides resistant coatings for any conditions!

Coating of trapezoidal sheets for the roof structures:

The Fine First Decor GmbH is an expert in the range of wet painting and coating of various metal sheets such as sandwich panels, troughed sheets and parts of special types. Metal sections for roofs and walls up to 24 meters length can be coated professionally by a specific varnishing machine.

With the company Fine First Decor GmbH we feature a long-time and successful business relationship.

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Engineering and building of the silo tanks:

„We know how“ is their concept. The FMW Industrieanlagenbau GmbH, located in central Austria, concentrates its business activities in two core business areas - pulp/paper and mineral technology. For more than 50 years FMW has been specialized in construction of new plants and the modification and extension of existing plants. FMW's mission is to provide high quality custom-designed plants delivered in accordance with the latest technical and commercial standards.

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