


**Coatings for Tanks and Vessels:**

**Ceramic Polymer: Internal coating of a huge tank for brewery effluents in Laško, Slovenia with PROGUARD CN 200**

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 The large wastewater tank of a well-established brewery in Laško showed heavy corrosion damages. Extreme rust perforation occurred in its upper third; the area with fluctuating water levels. The sewage water contains an elevated oxygen level within this zone. Thus, this part of the tank is most susceptible to corrosion.



Before the restoration: Clearly visible perforation corrosion. The company ISDW sealed the holes and laminated the damaged spots with glass fiber.

Brewery effluents have high pH values and an extensive chemical aggressiveness due to organic substances such as yeast, starch or sugar compounds. Moreover, plenty of chemical detergents are fed into the sewage of breweries.

The wastewater tank in Laško was completely and extensively renovated. For instance, only assembling the scaffold takes approximately 2 weeks. The German company ISDW used for the new coating of the tank our product system PROGUARD CN 200.



Firstly, the area was sandblasted.

**Technical Details**

- Project:** Restoration of huge tank for brewery effluents
- Height of the tank:** 18 m
- Diameter:** 22 m
- Coated area:** 1000 m<sup>2</sup> wall area
- Coating product:** PROGUARD CN 200
- Application of the coating:** ISDW GmbH, DE-Mittenwalde/Germany



Pre-coating of welds and rivets with PROGUARD CN 200.



Application of the coating system PROGUARD CN 200 by airless spraying.



First section completed – the upper area is coated.



Extra, flexible sealing of rivets, welds and abutting edges.



**Our partner for professional surface protection**

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**Our Product:**

- Proguard CN 200

### Product Advantages PROGUARD CN 200

- excellent chemical resistance
- high abrasion resistance
- temperature stability up to 130 °C (266 °F) for wet storage substances
- long-term corrosion protection for all kinds of effluents
- 1-layer-system
- short curing times
- solvent-free



**Do you need resistant coatings to protect from chemicals and sewage water?  
We provide customized product solutions for your application case!**