


## Coatings for Tanks and Vessels:

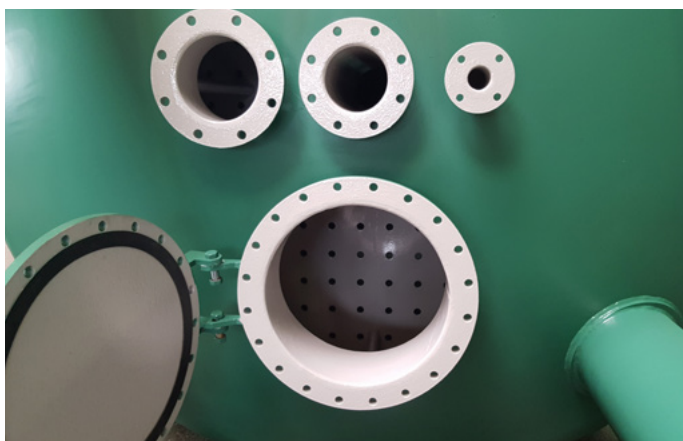
# Ceramic Polymer: Internal coating of huge gravel filters and activated carbon filter tanks with PROGUARD CN 200

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 The company W.T.S.-Ludwig Ltd., located in Heidenheim/Germany, fabricates complex devices and tanks for filter technology and water treatment as well as large steel constructions. Furthermore, coating applications for effective corrosion protection are conducted professionally. Recently, W.T.S.-Ludwig produced 6 huge filter tanks for gravel and activated carbon filtration. To provide durable value preservation for the customer, the inner area of the tanks were coated with our system PROGUARD CN 200.



For long-term corrosion protection of gravel filters and activated carbon filters the internal coating has to provide outstanding physical properties. In this case, the main focus is on a supremely high abrasion resistance since gravel, sand and sharp-edged granular activated carbon (GAC) induce heavy abrasion through constant friction.

Our product PROGUARD CN 200 offers beside excellent chemical and thermal resistances a high-grade abrasion protection. Thus, our coating is perfectly suitable for this scope of application.

The coating is applied by airless spraying process directly on the prepared substrate – generally only **one layer** is enough for the corrosion protection.

### Technical Details

Tanks:	6 filter vessels
Size:	total height 8 m, cylindrical height 6 m, diameter 3 m
Working pressure:	6 bar
Operating temperature:	30 °C
Coating product:	Proguard CN 200

In this project a thickness of 500 µm was applied. Flanges and holes were treated with brush or roller. The fast curing time of this product also allowed a rapid return to service for the customer.



## W.T.S. - Ludwig

Our partner for complex construction of steel buildings and apparatus:

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### Our Product:

- PROGUARD CN 200

Beside the excellent physical properties, our solvent-free coating system PROGUARD CN 200 features a very simple treatment. After blast cleaning, the product is applied directly onto the steel by common airless spraying method.

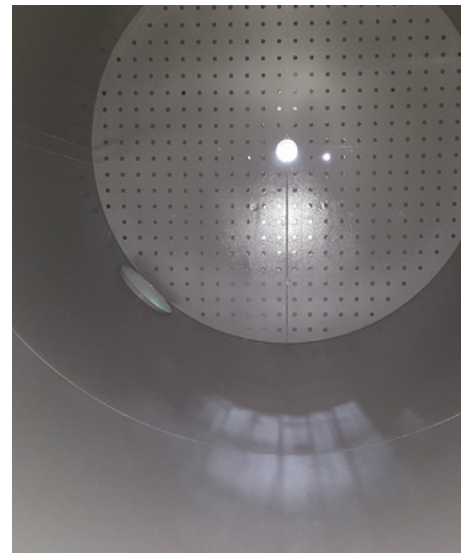
The ceramic filled PROGUARD CN 200 facilitates a uniform and immaculate coat. One layer of 500 µm already contributes essentially to a long-lasting service life of the tanks.



The external coating was carried out with a standard protection product.



Simple application of PROGUARD CN 200 using airless sprayer. On this picture you can see that the welding seams were pre-treated with the coating within the preparatory works.



PROGUARD CN 200 provides perfect coating results and short curing times.

**Do you need ideal corrosion protection specifically for your scope of application?  
We gladly support you with a versatile portfolio and competent advice!**