

Coatings for Concrete Protection:

## Ceramic Polymer coatings for maximum concrete protection – Professional refurbishment of a waste water plant

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This year in July, our partner ISDW GmbH from Mittenwalde/Germany renovated a heavily damaged waste water plant for a company group in Northern Germany with competence and know-how.



ISDW GmbH used the Ceramic Polymer – flooring system “CP-Synthofloor Beta 8016” as scratch coat and primer as well as our high-end product “Proguard CN 200”. The following pictures confirm the upgrading and the new functional capability of the sewage water system due to the extensive restoration.

Because of the constant contact with highly corrosive sewage water and the polluted atmosphere the concrete showed deep erosions up to 10 cm. The steel reinforcement was exposed in many places and therefore extremely corroded.



The damaged concrete was removed and the cracks were specifically clamped. Then the complete area was sandblasted and concrete erosions were filled accurately.



### Technical Information:

**Project:** Refurbishment of a waste water plant  
**Application of the Coating:** ISDW GmbH  
**Coating Products:** CP-Synthofloor Beta 8016,  
Proguard CN 200



**Our partner for competent surface treatment**

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**Our Products:**

- CP-Synthofloor Beta 8016

- Proguard CN 200

ISDW GmbH started the following works on the inner basin. To achieve a smooth surface the wall area was firstly treated with "CP-Synthofloor Beta 8016" as scratch coat. After the curing the coated walls were milled to prepare the substrate adequately for the application of the primer. For the best protection the edges were sealed additionally.

The bottom area was also leveled with the scratch coat and milled afterwards. Then the Ceramic Polymer primer "CP-Synthofloor Beta 8016" was applied on the prepared surfaces.

After curing of the primer our premium coating "Proguard CN 200" was applied in 2 layers. The 1st layer was passed in light grey, the 2nd layer was conducted for best application control in dark grey. Now the treatment of the exterior basin was carried out in same sequences.

### The coating systems

"CP-Synthofloor Beta 8016": The primer has a medium viscosity and can be applied with conventional equipments. It provides an excellent chemical resistance and features a high durability against wear and abrasion due to specific fillers. By addition of quartz sand or other suspending agents this system can also be used as a scratch coat.

"Proguard CN 200" is one of our premium coatings. This solvent-free product shows an outstanding chemical resistance, even at high operating temperatures up to 150°C. It is the ideal choice for the whole range of waste water engineering.



**Are you searching for durable protection against corrosion and abrasion?**

**We provide you the best coating solution!**