

Coatings for Swimming Pools:

Ceramic Polymer - major project: UV-resistant coating for Germany's longest whitewater course at the „Tropical Islands“

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„Tropical Islands“ is the biggest tropical swimming resort in Europe with exceptional waterparks, attractions and accommodations. Recently, Germany's longest whitewater course, the „Wild-Water-River“ was opened in their outdoor area AMAZONIA. For the effective protection against UV-radiation, weathering and abrasion our coating systems were applied on the 250 m long concrete channel.



Finished project with our effective 3-layer-concept

The „Tropical Islands Dome“ is 360 m long, 210 m wide und 107 m high. The biggest structural supporting hall worldwide used to be in former times a hangar for airships; now it is an impressive bathing and wellness complex. The „Wild-Water-River“ is the central highlight of the new created 35.000 sqm large outdoor area. Water temperatures of 31°C (88°F) ensure an all-season bathing pleasure.

Our partner, the company ISDW GmbH, applied our products for the coating of the concrete channel. Thereby, the bright blue „Wild-Water-River“ is long-term protected against environmental influences.



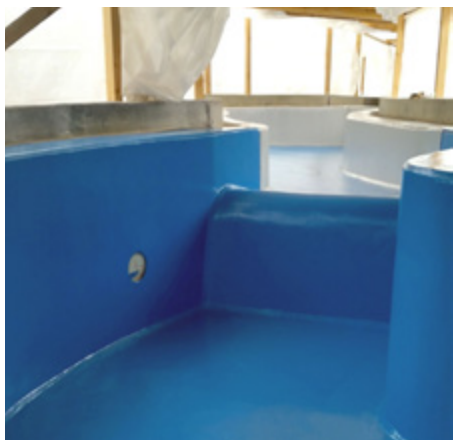
Technical Details
Project: Coating of concrete channel, surface 1,300 sqm, length 250 m
Product Primer: CP-SYNTHOFLOOR 8010
Coating Product: PROGUARD CN 200
Product Topcoat: PROGUARD 169 (PTC)
Product requirements: excellent abrasion resistance, stability against UV-radiation, weathering and chlorine
Application of the coating: ISDW GmbH, Mittenwalde/Germany



Treatment with primer CP-SYNTOFLOOR 8010



After curing of the prime coat the surface was grinded and the coating product PROGUARD CN 200 was applied



3rd layer: Application of the topcoat PROGUARD 169 (PCT)



Our partner for professional surface protection

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Our Products:

- CP-Synthofloor 8010
- Proguard CN 200
- Proguard 169 (PTC)

From rough concrete to a smooth surface

- The treatment of the concrete channel was an extensive, three-month project for the company ISDW. First the large site had to be encased, then the whole surface was grit blasted. The concrete was prepared with our primer CP-SYNTOFLOOR 8010. This product could also be mixed with quartz sand and used as leveling filler for concrete damages and formwork edges.
- Now test runs with flowing water were carried out and monitored. ISDW achieved the required changes regarding flow velocity and water course by building mortar setups. Subsequently the whole surface was smoothed.
- After grinding the area was coated with our protection product PROGUARD CN 200. In addition to the topcoat, this interlayer prevents from severe abrasion damages; due to the strong water stream high abrasion resistance of the coating products is essential for this application.
- The topcoat PROGUARD 169 (PTC) gives the „Wild-Water-River“ beside long-term protection to chlorine, UV-radiation, weathering and abrasion a supremely nice appearance. Moreover, the nonporous, satin-gloss surface provides an excellent color stability.

Do you need protective coatings for specific applications?

We gladly assist you with a comprehensive portfolio and technical competence!