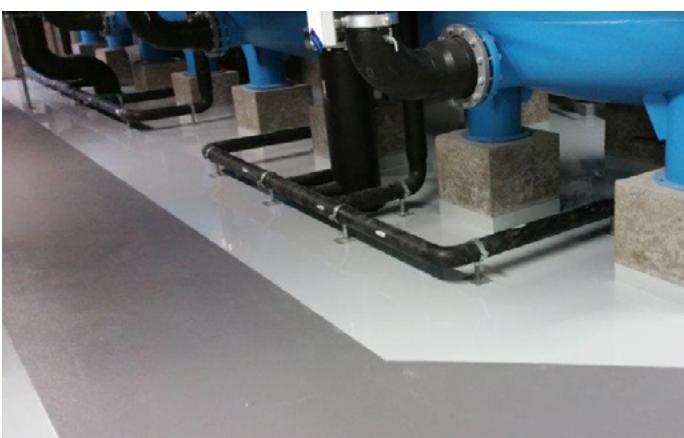


Coatings for Industrial Floors:

Skid-proof and chemically resistant! Flooring systems from Ceramic Polymer GmbH for engineering room of „Tropical Islands“



„Tropical Islands“ in Krausnick/Germany is the biggest tropical swimming resort in Europe. The concrete floor of the engineering room (area of 431 m²) showed no sufficient protection against wear and chemical influences. Due to the application of our complementary flooring systems, a resistant and nonslip surface was created; the result is a durable preservation of the concrete floor as well as an extensive improvement of the occupational safety.



A variety of chemicals and additives are being used for the treatment of swimming and bathing pool water. For the disinfection chlorination and oxidizing agents are required. Sulfuric acid, hydrochloric acid, sodium hydroxide or potassium hydrate is used for corrections of pH-values. Iron-III-chloride serves for example as a flocculent, furthermore different filtration excipients are needed. All of them aggressive substances, which can damage the concrete in case leakages of tanks and pump systems occur.

Simple application provides comprehensive protection

Our flooring systems offer a very simple handling. Fast curing times facilitates early using and accessibility of the engineering room.

Technical Details

Project:	Floor coating of engineering room (431 m ²) at „Tropical Islands“ Resort, Krausnick/Germany
Product requirements:	Anti-slip property, resistances to abrasion and chemicals
Flooring systems:	CP-Synthofloor BETA 8016 (2-component-epoxy-primer, solvent-free, transparent) CP-Synthofloor 8463 (2-component-epoxy-coating, solvent-free, pebble grey) Ceramic-Polymer 8481 ((2-component-epoxy-topcoat, solvent-free, pebble grey)
Spreading material:	Fire-dried quartz sand, particle size 0.4-0.8 mm



Step on safe paths – The single application sequences



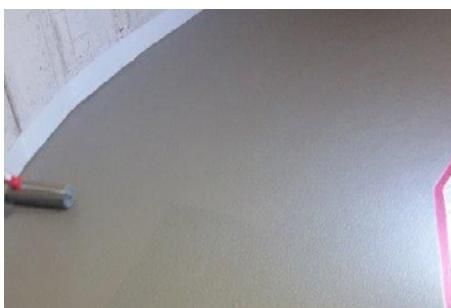
Priming and leveling:

Our primer CP-SYNTHOFLOOR BETA 8016 was applied on the complete area. This product could also be used as a fine putty for the filling and smoothing of cracks and pores and the levelling of the concrete surface. Then quartz sand was lightly sprinkled on the wet area to achieve a good anchor profile for the following coating.



Preparing of paths with anti-skid function:

Initially, the paths were masked accurately. CP-SYNTHOFLOOR 8463 was applied in these areas with a toothed trowel. D.W.I. Service GmbH sprinkled plenty of quartz sand on the wet coating. After curing (approx. 30 hours), the surface was lightly grinded and the loose sand was thoroughly removed.



The topcoat for the paths:

Our product CERAMIC-POLYMER 8481 provides a good chemical resistance, good mechanical properties and a high abrasion resistance. By using a rubber rake, the material was scraped tightly over the grit (consumption approx. 1 kg/m²) and finished with a short-haired paint-roller.



Coating of utility spaces:

CP-SYNTHOFLOOR 8463 was spread by a toothed trowel (consumption approx. 2.3 kg/m²) on the surface. This self-leveling flooring system shows very good chemical and mechanical stabilities as well as a high abrasion resistance.



Our partner for professional coating application:

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Our Products:

- CP-Synthofloor BETA 8016 (Primer)
- CP-Synthofloor BETA 8016 (Smooth Filler)
- CP-Synthofloor 8463 (Self-leveling Coating)
- Ceramic-Polymer 8481 (Top Coat)



Result:

The floor area of the engineering room is now long-term protected against chemical influences and signs of wear. The nonslip paths allow safe working and transportation of chemicals and other materials.

Do you need protection systems for specific industrial floors?

We gladly consult you – competently and focused!