

Coatings for the Range of Chemicals:

Our Premium Coating „Proguard CN-1M“ – acid-proof at pH-value 2!

Ceramic Polymer GmbH

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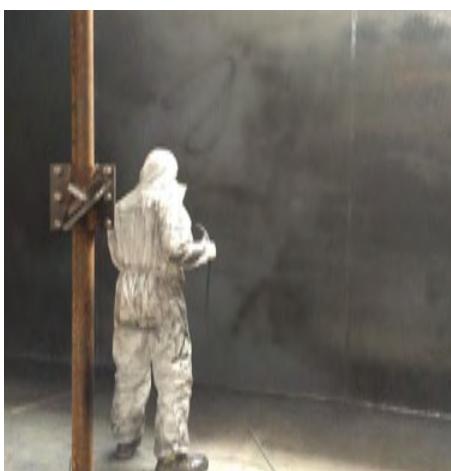
www.ceramic-polymer.de

» The coating systems of Ceramic Polymer GmbH are applied for complex agricultural applications due to extreme chemical and abrasion resistances. The physical properties of our products are deciding for a durable value preservation of different buildings within agrarian economy.



Concrete and steel constructions of digesters, septic tanks, slurry reservoirs, fodder fermenting silos, biogas and composting plants as well as wastewater systems are constantly exposed to high chemical attack by acidic contents of the storage substances. Concrete erosions of 1 to 2 cm and extreme corrosion damages on all steel components are measured per year.

Recently, the company BBH Bocholter Bautenschutz Handel coated 3 concrete chambers for liquid pig feed with our premium coating Proguard CN-1M.



The excellent chemical resistance of this system provides permanent protection against acidic attack of the aggressive substance.

First of all, the concrete surfaces were accurately cleaned. Unevennesses and blowholes were leveled with concrete filler. Afterwards the area was grit blasted to prepare the concrete for the application of the coating.

Technical Data:

Project: 3 concrete chambers for liquid pig feed

Application: airless spraying
2 layers up to 400 µm

Coating product:
Proguard CN-1M

Product Requirements:
Chemical and abrasion resistance



Our Partner for professional surface treatment:

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The concrete walls and ceilings were coated directly with our product Proguard CN-1M. No previous use of a primer is necessary when the application is conducted by airless spraying methods.

The first layers were applied in grey color and a thickness of 400 µm. After a waiting period of 3.5 hours the second layers were completed in black also with the same thickness.

Contact Ceramic Polymer GmbH:

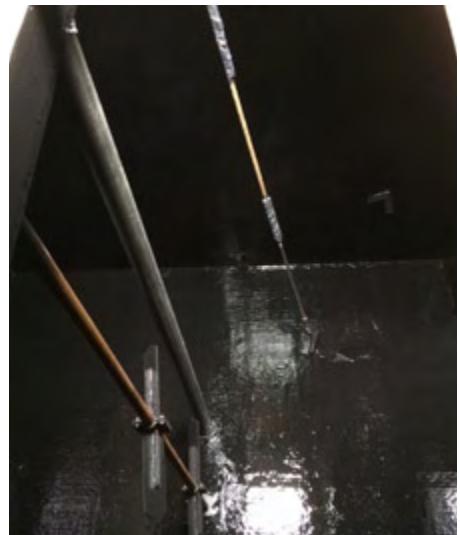
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Our Products:

Proguard CN-1M
CP-Synthofloor BETA 8016



Concrete floors can be coated easily with conventional application tools such as rake or roller. For leveling and sealing of the floor areas, our primer CP-Synthofloor BETA 8016 was applied on the blasted concrete.

On the following day our premium coating Proguard CN-1M was applied in 2 layers. Due to the treatment with rake and a spiked roller a ventilated and nonporous surface was obtained. The coated areas are fully cured after 48 hours and chemically resistant after 7 days.

Pig feed – an extreme acid compound

Oftentimes, liquid pig feed contains specific, organic acid additives to ensure good quality of the substance and prevent the growth of microbes (most microbes die in an acid ambience with a pH-value of 2). Therefore, acid feed is very digestible for pigs. For instance, formic acid is used against salmonellae, is antibacterial effective and obviates diarrhea diseases. Propionic and sorbic acids act against fungal infections and citric acid improves the taste of the feed.

