

Coatings for Concrete Protection:

## Our „winter coating“ for concrete substrates – direct use without primer, single-layered, acid-proof!

Ceramic Polymer GmbH  
Daimlerring 9  
DE-32289 Roedinghausen

[www.ceramic-polymer.de](http://www.ceramic-polymer.de)



For a durable value preservation of concrete substrates the protection by a high-quality coating system is absolutely necessary. Otherwise, extreme concrete erosions occur due to chemical influences.

Recently, the concrete bottom area of a huge storage tank for liquid feed was coated with our special „winter system“ PROGUARD CN-1M W4.

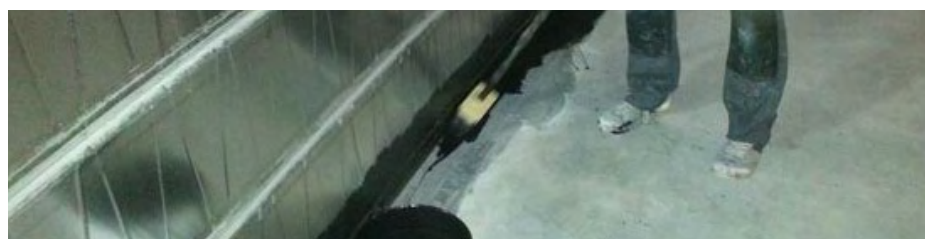


An extreme chemical load occurs inside of the storage tank due to acidification (pH value <3!). Our coating product PROGUARD CN-1M provides outstanding resistant properties. Thus, it is the ideal choice for the constant protection of the storage tank.

The „winter version W4“ with special hardener formulations facilitates the simple application at cold temperatures down to -10°C.

#### Technical Data:

<b>Area:</b>	490 qm, diameter 25 m
<b>Product requirements:</b>	Excellent chemical and acidic resistance, application at wintery temperatures
<b>Tank:</b>	Storage tank for liquid feed
<b>Coating product:</b>	PROGUARD CN-1M W4 (winter-system)





**Our partner for this project:**

BBH Bocholter Bautenschutz Handel  
Herr Dirk Moddenborg  
Boeggeringstr. 42-50  
DE - 46395 Bocholt / Germany  
Phone: +49 (0) 28 71 – 23 98 78-0

E-Mail: mail@bbh-bocholt.de  
Web: www.bbh-bocholt.de

**Contact Ceramic Polymer GmbH:**

**David Garcia Simao** (Director)  
+49-5223-96276-15 | dgs@ceramic-polymer.de

**Jan Robert Schroeder** (Sales Management)  
+49-5223-96276-16 | jrs@ceramic-polymer.de

**Woldemar Haak** (Sales Management)  
+49-5223-96276-13 | wha@ceramic-polymer.de

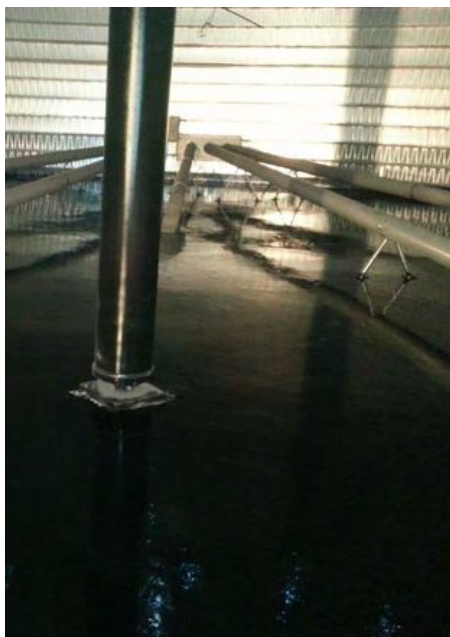
**Our Product:**

PROGUARD CN-1M W4



First of all, the substrate needs to be roughened and cleaned meticulously. The edges are pre-treated by brush; afterwards the coating is applied in a thin layer by a rubber doctor blade. The additional treatment with a suitable spiked roller is necessary to level overlaps and to obtain a homogeneous layer. Due to the low viscosity of the coating, all porosities of the concrete are filled in; an outstanding adhesion is thereby achieved. That signifies essential advantages in comparison to conventional multi-layer systems.

The direct application of the coating without a previous use of a primer facilitates a fast and cost-saving procedure without long shutdown times. The surface area of the storage tank (diameter of 25 meters) is approx. 490 m<sup>2</sup> and could be coated within one day.



**Advantages of the coating system PROGUARD CN-1M W4**

- Excellent chemical and acidic resistance
- Permanent temperature resistance up to 150°C
- Extreme abrasion and wear resistance
- Highest adhesion on concrete
- Direct application on concrete substrates
- 1-layer-system
- Application and curing even at cold, dry ambient temperatures down to -10°C („winter system“)
- Physiologically harmless after curing
- 100% solvent-free

**Are you searching for protective coatings for concrete substrates?**

**We provide the ideal coating solutions for all your demands!**