Coatings for Concrete Protection:

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

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:

- **Area:** 490 qm, diameter 25 m
- **Product requirements:** Excellent chemical and acidic resistance, application at winterly temperatures
- **Tank:** Storage tank for liquid feed
- **Coating product:** PROGUARD CN-1M W4 (winter-system)
First of all, the substrate needs to be roughly hened 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.

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

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 m² and could be coated within one day.

Are you searching for protective coatings for concrete substrates?
We provide the ideal coating solutions for all your demands!