

# PROTECT NTP pearl

Item No 2921

**Film forming impregnation for the wet and dry side of concrete production**

## FIELDS OF APPLICATION

PROTECT NTP pearl is a solvent-free film forming impregnation for mineral surfaces and especially suitable for semi-dry concrete like concrete blocks, slabs and paving stones.

PROTECT NTP pearl generates a protective film which deepens the concrete colour and forms a stain shining finishing. Thereby the impregnation allows the formation of an excellent water- and oil repellent effect. Concrete's dirt rejection is significantly improved and the occurrence of stains caused by oil, fat, environmental influences, food and beverages are minimised. Having an excellent water repellent effect, PROTECT NTP pearl reduces effloresces and frost damages in concrete.

The product application enables a prolonged colour preservation of concrete and reduces its weathering. Moreover, the product facilitates the cleaning properties of manufactured concrete products.

PROTECT NTP pearl is applied either on the dry or the wet site of production. The impregnation is suitable for all mechanically processed or finished concrete surfaces (such as grinded, washed and blasted surfaces).

## APPLICATION QUANTITY

Depending on the surface structure and its absorbing abilities the necessary amount might vary between 80 – 160 g/m<sup>2</sup> and has to be determined for each single application.

## WORKING PRINCIPLE

PROTECT NTP pearl penetrates concrete's capillary system and coats it. In doing so, the impregnation forms a protective finishing which drips of liquids and the therein solved particles and stop them from entering into the concrete.

PROTECT NTP pearl is a sustainable protection which reduces staining, efflorescence and frost damages and enhances concretes durability significantly.

PROTECT NTP pearl is not yellowing, weather-proof (UV-stable), permeable to water vapour and resistant against chemical loads.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	milky
State	liquid
Density	1.02 ± 0.02 g/cm <sup>3</sup>
pH-value	8 ± 1
Workability	from +5 °C to +25 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation.

## PROCESSING INDICATIONS

---

The surface to be treated must be firm, clean, absorbent and free of loose particles. Curing- and separating agents have to be completely removed.

PROTECT NTP pearl should be evenly applied to the surface with a suitable spraying system.

**Note:** Changes in cement sort, water/cement ratio etc. might lead to colour variations in concrete.

This product is not classified as hazardous according to the EC directives, regulations on hazardous substances and forwarding instructions. The generally accepted precautions for handling chemicals must be followed. The corresponding Material Safety Data Sheet is available upon request.

## PACKAGING

---

- 30 l can
- 200 l barrel
- 1000 l container

## REMARKS

---

This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indication are neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use. This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

Edition: 10 August 2019

**SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!**