

PROTECT NTI pearl

Non-film forming impregnation concrete surfaces

Item No 2935

FIELDS OF APPLICATION

PROTECT NTI pearl is a solvent-free, non-film forming impregnation for concrete surfaces in both application fields precast and in-situ constructions and manufactured concrete products.

PROTECT NTI pearl generates a hydrophobic surface with 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. Visual defects like effloresces and damages such as those caused by freeze and de-icing salt are minimised.

PROTECT NTI pearl enables a prolonged colour preservation of concrete and reduces its weathering. Moreover, the product facilitates the cleaning properties of the treated concrete surface.

PROTECT NTI pearl is applied either on the fresh or hardened concrete surface. 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 50 – 100 g/m² and has to be determined for each single application.

WORKING PRINCIPLE

PROTECT NTI pearl deeply penetrates concrete's capillary system and reacts with its cement-based substrates in order to generate a hydrophobic capillary system.

The impregnation forms the lotus-effects which is a finishing that drips of liquids and the therein solved particles and stop them from entering into the concrete. PROTECT NTI pearl is a sustainable protection which reduces staining, efflorescence and frost damages and enhances concretes durability significantly.

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

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless to yellowish
State	liquid
Density	0.88 ± 0.02 g/cm ³
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 NTI pearl should be evenly applied to the surface with a suitable spraying system. Pending its entire drying, the concrete surface needs to be protected from liquids like rain.

The impregnation's full effect advances with the proceeding reaction process and reaches its full effect after approx. 14 days.

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

This product is classified as hazardous according to the CLP regulations. See safety data sheet for further information.

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.

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