

PROTECT N5100

Item No 2901

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

FIELDS OF APPLICATION

PROTECT N5100 is a film-forming impregnation especially designed for upgrading the visual appearance of dark coloured concrete surfaces in the manufactured concrete product industry.

The solvent-free product provides a colour-deepening finishing and gives concrete surfaces a satin shining appearance (silk matt).

PROTECT N5100 is a sustainable protection tool which reduces the absorption of water and therein dissolved and dirt particles. Defects like efflorescence or frost damages are significantly reduced thereby. Contaminations by oil, food, beverages and environmental conditions are greatly reduced and can be easily removed thanks to the impregnation's "easy-to-clean" effect.

PROTECT N5100 allows preserving the colour shade of concrete for a long time and decelerates the natural weathering processes. As a consequence, the impregnations enhance concrete's durability significantly.

PROTECT N5100 is applied either on the dry or the wet site of production and suitable for all mechanically processed or finished concrete surfaces.

APPLICATION QUANTITY

Depending on the surface structure and its absorbing abilities the necessary amount might vary between 100 – 140 g/m² and has to be determined for each single application.

WORKING PRINCIPLE

PROTECT N5100 seals the pores on the concrete surface and forms a protective finishing - known as lotus effect - which drips off liquids and the therein solved particles, preventing liquids to penetrate into the concrete matrix.

PROTECT N5100 is solvent-free, lightfast, non-yellowing and resistant to UV-light and abrasion.

TECHNICAL DATA

Homogeneity	homogenous
Colour	light blue
State	liquid
Density	1.04 ± 0.02 g/cm ³
pH-value	7.5 ± 1
Workability	from +5 °C to +25 °C
Shelf life	approx. 12 month from date of production if stored properly.
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature.

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 N5100 should be evenly applied to the surface with a suitable spraying system.

This product is not 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 indications 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: 25 August 2020

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