

# PROTECT SIL

Film forming impregnation for the dry side of concrete production

Item No 2630

## FIELDS OF APPLICATION

PROTECT SIL is a film forming impregnation for precast concrete, exposed concrete, concrete facades and manufactured concrete goods like slabs and paving.

PROTECT SIL generates a satin shining finishing which allows the formation of an excellent water- and oil repellent effect. Weathering through vegetation growth and UV radiation is minimised and concrete's dirt rejection is significantly improved.

PROTECT SIL deepens the primary concrete colour and gives surfaces a fresh and shiny appearance.

PROTECT SIL is suitable for all mechanically processed or finished concrete surfaces (such as grinded, polished, washed, blasted and kernelled surfaces) and is applied on hardened concrete / on the dry side of concrete production.

## APPLICATION QUANTITY

Depending on the surface structure and its absorbing abilities the necessary amount might vary between 100 – 200 g/m<sup>2</sup> and has to be determined for each individual application.

## WORKING PRINCIPLE

PROTECT SIL penetrates concrete's capillary system and coats it. The film forming impregnation intensifies the concrete colour and gives it's surface a glossy wet-look.

PROTECT SIL generates an excellent oil- and water repellent effect which reduces the water absorbing abilities of the surface. Efflorescence and frost damages are significantly reduced thereby.

PROTECT SIL is abrasion resistant. The generated protective film does not turn yellow, is permeable to water vapour, alkali-fastness and resistant against UV-radiation.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless
State	liquid
Density	0.81 ± 0.02 g/ml
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

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

Under normal weather conditions, PROTECT SIL is drying within minutes.

**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

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## REMARKS

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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!**