



# PROTECT 100

## Hydrophobic impregnation for concrete & natural stones

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- ▷ **Water based**
  - ▷ **Suitable for natural stones and mortars**
  - ▷ **Protection against oil and humidity**
  - ▷ **Excellent resistance to ageing**
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**Description** PROTECT 100 is a polysiloxane/siloxane emulsion with high penetrating ability for hydrophobic impregnation and protection of concrete from humidity. It's high resistance to both neutral and alkaline substrates protect inorganic surfaces from humidity without any significant alteration of the surface.

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**Certifications** CE marked with DoP C04069-CPR-2030942 by factory certification number 1128 of the factory production control. According to the current harmonized standard ELOT EN 1504-2 as a surface protection product Principle 2, Method 2.1 hydrophobic impregnation for the protection of concrete from moisture.

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**Typical Applications** PROTECT 100 is suitable as hydrophobic impregnation and protection from oily pollutants for:

- Concrete and cement mortars
- Renders and masonry plasters
- Natural stones, grouts, cotto tiles
- Micro-cement screeds of PLANOCOLOR system and NOVACEM CREATIVE

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## Technical Data

### Product identification

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Consistency	Liquid
Color	White
Chemical substance	Polysiloxane / Siloxane water dispersion
Density	1,0 ± 0,1 kg/L

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## Final Performances according to EN 1504-2:2004

	Performance	Requirement	Method
Penetration depth	8 mm	Class I, <10 mm	EN 14630
Water absorption and resistance in alkalis as:			
- Absorption ratio compared to untreated sample	5,6%	< 7,5%	EN 13580
- Absorption ratio after immersion to alkaline solution	6,4%	< 10%	
Drying rate for hydrophobic impregnation	70%	Class I, >30%	EN 13579

## Application procedure

### Application

PROTECT 100 is applied undiluted with roller, spray or by immersion. The application surface must be dry, clean, free of dust and in general materials which might compromise adhesion.

Roller: it applied with light pressure until saturation. If required a second layer can be applied perpendicular to the first within 30 minutes

Airless spray: spraying is done with suitable equipment from a distance of 25 - 30 cm from the surface, taking care the material to be absorbed until saturation. It is recommended that the application be done from top to bottom and when applied outdoors no strong winds must be present.

By immersion: immersion must be done inside clean containers. The immersion time is from 10 to 30 minutes depending on the absorbency of the waterproofing surface.

Surfaces treated with PROTECT 100 must be protected for at least 5 hours from rain and high temperatures.

### Recommendations

- Apply only on structurally stable and well prepared substrates
- Avoid direct exposure to sunlight and/or strong wind and rain
- Do not add water or other liquids
- Do not apply when the substrate & ambient temperatures are lower than +5°C and higher than +35°C
- Do not apply upon wet surfaces
- In natural stones it is recommended to perform a trial test before

### Consumption

Depending the absorbency 0,1 – 2,0 L/m<sup>2</sup>.

**Storage**

PROTECT 100 remains stable for at least 12 months from the production date in the original sealed packaging stored in a dry place and temperature between +5°C and +35°C.

**Packaging**

Buckets of 1, 5 and 20 liters

**Safety Instructions**

For information and instructions regarding disposal and safe handling, users should refer to the latest Safety Data Sheet of the product containing ecological, toxicological and other safety related data.

**Legal Notes**

The technical data and recommendations contained or listed in this leaflet are the result of laboratory measurements, of our current knowledge and experience. All the above-mentioned information and specifications should in any case be considered as indicative, as they may differ from each other. The Company makes every effort to ensure the accuracy of the information provided herein. Product specifications, prices and availability are subject to change without notice and may differ from those shown.

In practice, variations in materials, substrates and on-site implementation conditions are such that no warranty can be given or implied, as to the merchantability or suitability of the materials for a particular purpose and for the exact conditions of each project. Anyone interested of using the product must be sure beforehand that the product is suitable for the intended use and in any case, the user is solely responsible for any consequences due to the use of the product. Among other things, the Company is not responsible for any normal wear or tear from environmental or other inappropriate conditions. We reserve the right to revise or change the data herein without prior notice.

Restrictions and disclaimers apply to the extent permitted by applicable law. The Company has a Technical Support Department, which is the only one responsible for providing technical advice and solutions to deal with problems. Requests to the Technical Support Department are addressed and answered, only in writing.

For the latest and a valid version of the Technical Data Sheet, the user of the material must refer to our website [www.novamix.gr](http://www.novamix.gr) or directly to the QR Code of the product.



**DOMOCHEMICAL S.A.**  
40 Papanikoli str.  
Chalandri, 15232, Athens  
T +30 210 68 93 953  
F +30 210 68 94 571  
[novamix@novamix.gr](mailto:novamix@novamix.gr)