

NANO PROOF FABRIC DS-300



Water & oil repelling impregnation agent for textiles



■ PROPERTIES

Waterborne, water and oil repelling impregnating agent, with high penetrating ability.

A nanotechnology product. It creates a thin, invisible shield with high strength and durability. It repels moisture and water, without changing the appearance and the texture of the fabric. It facilitates water-only cleaning, thus preventing fabric wear from detergent use. It waterproofs most synthetic and closely woven cotton fabrics and also prevents the creation of stains from oil, wine, coffee, drinks etc.

NANO PROOF FABRIC DS-300 repels dirt, smoke and filth that penetrates through fabrics.

■ APPLICATIONS

Use NANO PROOF FABRIC DS-300 to easily protect fabrics with dense knitting, carpets, rugs, curtains, sofas, as well as car upholstery from fabric. Protect awning fabrics and canvases, sports shoes, as well as handbags and all other items using fabric in their structure and manufacture.

■ USE

1. Surface preparation

Cotton and synthetic fabric surfaces, if necessary, can be cleaned without worry with the biodegradable general purpose cleaner BIOCLEAN with just a simple spray, or with the cleaning foam DUROFOAM CLEANER of DUROSTICK.

2. Application

The product is ready to use. Just apply evenly spraying from 10-15cm on the dry surfaces. Repeat the process 10 minutes after the first coat, for applications on highly absorbent fabrics. For interior use, heat the surfaces with a fan heater or hair dryer, until the fabric is dry (for about 10 minutes). For use of the product on exterior fabric surfaces, heat from the sun is sufficient.

NANO PROOF FABRIC DS-300 is also available in 3.5lt and 18lt containers for wider surface areas, where you may use a manual or an electric sprayer.

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DS-300



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■ CONSUMPTION

Depending on the nature and the absorbency of the surface.

■ STORAGE

Store in cool places, protected from frost for 24 months from production date.

■ SAFETY DIRECTIONS

The product needs no hazard labeling, based on current European and national legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek medical advice and show the container or label.

■ NOTES

- Mix well before use
- The effects of the waterproofing are noticeable after 24 hours
- Complete waterproofing is obtained 7 days after application.

■ PACKAGING

Carton box with 15pcs of 500ml each on
 Carton box with 6pcs of 3.5lt each one
 18lt container

Nanotechnology

A nanometer (nm) is one billionth (10⁻⁹) of a meter. Nanotechnology is the study of the control of matter at the atomic and molecular level. Generally speaking, 'Nanotechnology' is concerned with structure sizes of 100 nanometers or smaller in at least one dimension, and also involves developing materials or devices of this magnitude.

And to better understand all the above with an example: a human hair has a diameter of 50.000 nanometers.

TECHNICAL SPECIFICATIONS

■ Form - Color	Polymer dispersion - White, becomes transparent when dry
■ Density	1.00±0.05kg/lt
■ Application temperature	From +5°C to +35°C
■ pH	7.0±1.0
■ Duration of waterproofing	1- 2 years, depending on the weather conditions
■ Water absorption coefficient	$W \leq 0.5\text{kg/m}^2\cdot\text{h}$

V.O.C. (Volatile Organic Compounds):

Limit value of maximum content of V.O.C. per EU (Directive 2004/42/CE) for this product (category A/i: 'One-pack performance coatings', type WB): 140gr/lt (2010). The ready to use product contains maximum 50gr/lt V.O.C.

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 PAINTS & MORTARS

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The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.