

Product Data Sheet

NewPro Nano NC SiO₂ Coating for textile, paper and natural wood food-safe and UV resistance

This innovative fibre protection-product, based on Nano-Technology protects almost any type of textile from water, dirt, contamination and stains – whilst remaining totally invisible!

It will not affect the appearance, its ability to breath, its colour or handle and is easy to maintain
Nano-Care products are exceedingly water-resistant on outdoor materials; keeping them drier longer. Oil, coffee and other frequent stains belong to the past, if the material is treated with our protective products.

EXAMPLES OF USE:

- Clothing
- Household textiles (pillows, furniture), carpets
- Suede/leather
- Paper, cardboard
- Natural Wood



PRODUCT CHARACTERISTICS:

- Strong hydrophobics and oleophobics
- Strong non-stick properties
- Food safe (inert)
- Protection of fibres from the infiltration of dirt

OTHER PROPERTIES:

- Invisible to the human eye (coating thickness: 100-150 nm)
- Permanent (UV-stable, very resistant to abrasion)
- No change on haptic of the fibre
- Breathable
- Simple application (do-it-yourself)
- Washing and cleaning agent resistance

APPLICATION:

Simple do-it-yourself application makes it suitable for end-customers as well:

1. Manual: Application by wetting textiles (spraying or dipping)
2. Industrial: Application using the standard HVLP systems.

This SiO₂-coating is completely networked and hardened after 24 hours. The easy-clean effect can only be tested after this hardening period.

STORAGE STABILITY:

Unopened original containers can be stored for at least 2 years. Recommended storage- and transport temperature: +3 to 30°C

CONSUMPTION:

Manual + Industrial: between 25 and 100 ml/m², depending on absorbency of the substrate. An afforded quantity of approx. 10 ml/m² per mm of material's thickness should be calculated.

ADVANTAGES OF SiO₂-COATINGS IN COMPARISON WITH COMPETITIVE PRODUCTS:

- **Permanence and longevity:**

The UV-stability enables functionality for a number of years, approximately the lifetime of the coated surface.

Many competitive products are damaged slowly by sunlight.

- **Abrasion-resistant easy-to-clean effect:**

A solid chemical connection with the substrate enables an excellent abrasion and washing machine-resistance – the coating adheres to the fibres until it is destroyed by external influences.

Many competitive products are not washing machine resistant.

- **Washing agent stability**

The product is washing agent –resistant. Many competitive products must be reapplied after cleaning textiles.

IMPORTANT NOTICE:

Our explanations correspond to our current knowledge and experience. We are passing it on, however, without obligation, also with regard to third party patent rights. In particular, a warranty of assured quality in the legal sense is not associated with it. The right to make alterations within the framework of technical advances and operational development is reserved. The customer is not released from careful quality examination. The mention of other company names is not a recommendation and does not exclude the use of similar products. We guarantee the quality of our products in accordance with our general sales conditions as a matter of course.

The products are ready-to-use. Mixing with other substances or other charges is strictly forbidden.