



## Product Data Sheet

# NewPro HIGH QUALITY NC SiO<sub>2</sub> Coating for FOR PLASTICS, PAINTED SURFACES AND PRECIOUS METALS

These coatings are suitable for smooth surfaces of plastic, precious metal or painted surfaces because of their specific formulations. The hydro- and oleophobic effect causes the particles of contamination such as grease and oil, lime-scale and materials from environmental pollution to adhere less to the substrates or and allow them to be easily removed from the coating, i.e. without applying abrasive agents ("Easy--clean" effect).

### EXAMPLES OF USE:

- Plastic surfaces in sanitary areas (plexiglass shower cabinet)
- Automotive paint
- Painted aluminium rims
- Stainless steel surfaces



### PRODUCT CHARACTERISTICS:

- Strong hydrophobicity
- Strong non-stick properties
- Excellent easy-clean effect on contamination and lime-scale
- Food-safe (inert)

### OTHER PROPERTIES:

- Invisible to the human eye (coating thickness: 100-150 nm)
- Permanent (UV-stable, very resistant to abrasion)
- Temperature resistant
- Breathable
- Simple application (do-it-yourself)
- Chemical resistant

### APPLICATION:

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

1. Manual: Application with circular motion using a clean paper, linen or microfibre cloth.
2. Industrial: Available as polish-coat systems or spray-coating systems.

This SiO<sub>2</sub>-coating is completely networked and hardened after 24 hours. The easy-to-clean effect can only be tested after this hardening phase.



## **STORAGE STABILITY:**

Unopened original containers can be stored for at least 2 years.

## **CONSUMPTION:**

Manual: 5-10 ml/m<sup>2</sup>, Industrial: 10-15 ml/m<sup>2</sup>

## **ADVANTAGES OF SiO<sub>2</sub>-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 permanent chemical bond with the substrate enables excellent abrasion resistance

Many competitive products can be easily removed by abrasion.

- **Chemical stability:**

The product is resistant to almost all standard household and industrial cleaners (with the exception of concentrated lye)

Many competitive products must be reapplied after cleaning the surface.

## **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.