



HIGH QUALITY NANOTECHNOLOGY COATINGS FOR NON TREATED WOOD SURFACES



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#### CERACOAT COATING FOR WOODEN AND CORK SURFACES:

These products are optimized for absorbent surfaces of wood and cork, because of their formulation. They can therefore be used as an invisible, water- and contamination-resistant, UV-stable coating of wooden surfaces, if the wood (cork) is non treated and absorbent. It also protects against moss. Since nano-coatings only apply an ultra-thin coating on the inside of the pores, the surface remains breathable after the coating – the perfect structural protection. Impressive reduction of pollution and admission of water.

#### EXAMPLES OF USE:

Every type of non treated wooden surface

- ☐ Garden furniture
- ☐ Sauna (non treated)
- ☐ Wooden ground, wooden tiles, wooden bars
- ☐ Every cork products, materials

#### PRODUCT CHARACTERISTICS:

- |   |  |
|---|--|
| <input type="checkbox"/> Strong hydrophobic + oleo phobic properties.             | <input type="checkbox"/> Strong non-stick properties                   |
| <input type="checkbox"/> water based, food safe                                   | <input type="checkbox"/> no influence on the water vapor diffusibility |
| <input type="checkbox"/> reduces weathering effects                               | <input type="checkbox"/> colorless, invisible                          |
| <input type="checkbox"/> Excellent easy-clean effect, diminution of moss and mold |  |
| <input type="checkbox"/> Food safe (inert)  | <input type="checkbox"/> Active for several years                      |



#### ADVANTAGES:

- ☐ No influence on the appearance of the substrate (Layer thickness: 100– 150 nm)
- ☐ Excellent Hydro and Oleo phobic properties
- ☐ Solvent free and odorless
- ☐ Hardening at room temperature. No additional energy or UV light required.
- ☐ Pressure wash-resistant (50 – 60 bar)
- ☐ Excellent efficiency with low quantity consumption
- ☐ No color infiltration to coated surfaces
- ☐ High temperature-resistance – UV-stable
- ☐ Absolute frost resistance

#### OTHER POSITIVE EFFECTS, SUCH AS FOR EXAMPLE:

- ☐ No contamination can infiltrate the pore-structure through water.
- ☐ Easy cleaning
- ☐ Enduring impregnation enables very high freeze-thaw resistance and no cracking because of ice.
- ☐ Very heavy reduction of moss and fungus growth
- ☐ Longer life-spans for the wood because of lowered cleaning cycles. Permanent
- ☐ Enduring protection for the surface structure.
- ☐ Weather damage prevention



#### APPLICATION:

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

1. Industrial: Application using standard HVLP systems or roll on or dip into the liquid
2. Manual: Application by wetting the surface (spraying or dipping or rolling)

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

#### 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 50 and 300 ml/m<sup>2</sup>, depending on absorbency of the wood



#### ADVANTAGES COMPARED TO COMPETITIVE PRODUCTS

[?] Permanence and longevity: The UV-stability enables a lifetime performance of the coated surface – assuming it is not damaged by abrasion.

Many competitive products like silicon oils or fluorocarbon technologies are slowly destroyed by sunlight

[?] (Abrasion resistance)

Negligible on wooden surfaces due to the low abrasion resistance of the wood.

[?] Chemical stability: The product is resistant to almost all standard household and industrial cleaners (with the exception of concentrated alkaline solution).

Many competitive products do not have this property and must be reapplied.

IMPORTANT NOTICE: Our explanations correspond to our current knowledge and experience. The right to make alterations within the framework of technical advances and operational development is reserved. The customer is not released from careful product application. 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.