

CLEVERCOAT WOOD PREMIER

INTENDED USES:

CleverCOAT wood is a two-component, all season water repellent product for the protection of all types (unpainted by polymer paints) of natural wood, plywood, chip-board and etc.

It is designed for protection decks, terraces, wooden construction, houses, fences, facades, garden furniture, flower pots, greenhouses and etc.



PRODUCT DESCRIPTION:

It is a non-toxic, water-based protective coating prepared using nanotechnology and natural dyes. Main nano component is silica penetrates into the wood and forms durable permeable/breathable surface protective coating. The protective properties are increasing after protection and reach to maximum level in about a year. Protected surfaces effectively resist to fungi, rot, algae, spores, etc., ultraviolet irradiation, weathering, cracking and deformation of products when water ingress. Coating is produced without antiseptics, which are dangerous to human health and the environment, but it good resists to harmful insects and etc.

CleverCOAT wood PREMIER - the first product of two-component protection. It is a milky or tinted liquid, inclined to gelatinization. Product is not hydrophobic and can be washed off by water. Do not use it separately for protection. It is used only as substrate for second component - CleverCOAT wood finish.

Please shake the package or agitate product before use to have liquid form. Apply with a brush or roll in cleaned surface when dry weather at a temperature more 5 ° C. Consumption is 100 g / m2. It is recommended to use protective gloves, glasses or a mask if there possibility of splashing. Drying time if from 2 to 4 hours. After coating, clean the tools by water with detergents.

Keep container closed. Do not allow the product to freeze during storage. Shelf life is 2 years from the manufactured date (on the packing).

TECHNICAL INFORMATION:

Form:	Thyrotropic water fluid with prone to gelling. Gel easy goes to fluid back by shaking.
Color:	Transparent milky liquid or brown liquid (if natural dye is added)
pH-value at 20°C:	9.0 - 10.5 (50% in water)
Silica components as SiO <sub>2</sub> , %:	2-5
Potash (Potassium carbonate),%:	2-5
Natural dye substance, %:	0 - 0.8
Flash point, °C, min.:	69
Solubility:	Alcohol, Ether, Acetone
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	> 100°C
Flash point:	Not determined
Flammability (solid, gaseous):	Not determined
Volatile organic compound (VOC), g/l:	kat A/f containing 0

Decomposition temperature:	Not determined
Self-igniting:	Product is not self-igniting
Vapor pressure:	as aqueous solutions
Density at 20°C, g/cm <sup>3</sup> :	1.05 - 1.10
Solubility in water:	In any ratio
Specific surface area, m <sup>2</sup> /g:	200 - 250
Surface area, m <sup>2</sup> /g, via BET:	200 - 300

**PRODUCT HAZARDS AND SAFETY INFORMATION:**

See Material Safety Data Sheet for complete Health and Safety information.

**ADDITIONAL DATA:**

Product is prepared according to existing legislation European Union. Product has not volatile matter and holds the nano components tight inside its structure. Nano particles cannot be separated one from polymer mixture. It guarantees that nano-sized particles do not get "loose" and incur to human organism and harm our health and surrounding environment. Product waster

Lasting effect: up to 15 years depend from external environment.

**PACKING OF THE NANOTECH CLEVERCOAT WOOD PREMIER**



Product is packed in 3kg plastic canisters.

Carton: 5 canisters

Carton size: 39cm x 28cm x 26cm

Carton's gross weight: 17.10kg

Pallet: 60 cartons/300 canisters

Pallet weight net/gross - 1026kg/1051kg

Pallet size: 100cm x 120cm x 175cm

**SHIPPING AND EXPORT INFORMATION**

Non-hazardous for any transportation.

Export HS code: 38249096



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