PROTEKTO ECOSILAN

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ProteKto EcoSilán

TRANSPARENT PROTECTIVE HYDROPHOBIC

PROTECTS DEEP DOWN.
LET BEAUTY BREATHE.

ProteKto EcoSilán is a silane- and siloxane-based protective coating in water emulsion that penetrates deep down and protects without altering the natural look of surfaces. Hydrophobic, breathable, and UV-resistant for long-lasting protection.

- **HYDROPHOBIC** Blocks water without sealing.
- **BREATHABLE** Keeps surfaces dry and healthy.
- **UV-RESISTANT** Does not yellow or change color.
- **LONG-LASTING PROTECTION** Permanent action over time.

ECO FRIENDLY
FORMALDEHYDE FREE*
APEO FREE**
LOW VOC

INVISIBLE PROTECTION, VISIBLE RESULTS.



1. OPEN SPACE
Protects surfaces, makes them beautiful and easy to live with.
Natural look, without surface film.



2. BEDROOM WALLS
Protects decorative surfaces and keeps them cleaner for longer. Safe for any space.



3. OUTDOOR VERANDA
Resists atmospheric agents and UV rays.
Effective protection for long-lasting exteriors.

- **HYDROPHOBIC** Water beads up and rolls off, preventing stains and adhesion.
- **BREATHABLE** Allows vapor to escape, preventing moisture and mold.
- **UV-RESISTANT** Does not yellow and maintains colors unchanged.
- **MOULD AND ALGAE RESISTANT** Helps prevent mould, algae and moss formation.
- **ECO SUSTAINABLE** Water-based formula with added silanes, formaldehyde-free and APEO-free.
- **EASY TO CLEAN** Surfaces stay cleaner with minimal maintenance and maximum durability.

TECHNICAL DATA

Coverage:	~ 10 m²/L (2 coats)	Pack size:	2.5 L
Application:	Brush, roller, airless	Finish:	Invisible
Drying time:	2 h – up to 24 h deep down	pH:	> 9.00
Dilution:	Ready to use	VOC:	Very low

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ITALIAN TECHNOLOGY • PROFESSIONAL QUALITY • EXCEPTIONAL RESULTS

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* Free from formaldehyde as defined by the regulations. ** Free from APEO (Alkylphenol Ethoxylates) and other ethoxylated surfactants as required by REACH (Reg. EC 552/2009 – EC 1907/2006) for safer, more responsible use.

PROTEKTO ECOSILAN

DESCRIPTION
ProteKto EcoSilan is a colorless finish composed of a chain of silicon atoms and nanoparticles and a blend of silanes and siloxanes in an aqueous emulsion. It penetrates deep into the capillaries of the substrate, making it hydrophobic and breathable. It is non-film-forming, has a permanent effect, is resistant to UV rays, does not yellow under any environmental conditions or with aging, and leaves surfaces naturally treated. It is an environmentally sustainable and advanced product, contains no added *Formaldehyde or **APEO, and has a very low VOC content.

FIELDS OF USE
ProteKto EcoSilan is designed for the protection and decoration of coverings in environments such as shops, warehouses, hospitals, bars, restaurants, mechanical, pharmaceutical, and food industries, and private homes.

SUITABLE SUBSTRATES
- ✓ Microcem-FB
- ✓ 3D Cement
- ✓ Etna
- ✓ MarmUra
- ✓ Terra Veneziana
- ✓ Emotions
- ✓ Ardhea
- ✓ Marmorino Lime
- ✓ Marblex Mirror
- ✓ ArchiMetal
- ✓ MarmoMetal
- ✓ Daranà

PREPARATION
- ✓ Ready-to-use product; mix thoroughly before use.

APPLICATION
1. Apply ProteKto EcoSilan using a synthetic brush, using crisscross, transverse, horizontal, and vertical movements to allow the product to penetrate deeply into the substrate.
2. Let dry for 12 hours and no more than 24 hours (+20°C).
3. Apply a second coat of ProteKto EcoSilan as done for the first coat.
4. Let dry for 24 hours (+20°C).

TECHNICAL DATA
- ✓ Appearance: Liquid
- ✓ Specific weight: 1.00 ± 0.05 kg/l at 20°C
- ✓ Composition: Atoms of Silicon, nanoparticles, blend of silanes, siloxanes in H_2O emulsion
- ✓ Color: Characteristic
- ✓ Achievable colors: Not colorable
- ✓ PH: > 9.00
- ✓ VOC classification: 8.6 g/l
- ✓ Coverage: 10 m^2/L in two coats, depending on substrate absorption

PROTEKTO ECOSILAN

- ✓ Dilution: Ready to use
- ✓ Use temperature: +10°C and +30°C
- ✓ Drying: Touch dry 2 hours, thoroughly dry 24 hours at 20°C
- ✓ Application: Roller, brush, airless
- ✓ Tool cleaning: Water
- ✓ Odor: Odorless
- ✓ Packaging: 2.5 L
- ✓ Cleaning instructions: Clean with a damp microfiber cloth
- ✓ Storage: In tightly closed original containers and in a dry place between +5°C and +30°C
- ✓ Washing resistance: Resistant to washing > 15,000 cycles Gadner UNI 10795 UNI 10560
- ✓ Water vapor permeability: High UNI 10795 UNI EN ISO 7783-2
- ✓ Alkali resistance: UNI 10795
- ✓ Dirt pick-up: Low UNI EN 10792
- ✓ According to UNI EN 1062-3 at values of W24 < 0.1 The product is classified in Class III, corresponding to low water absorption.
- ✓ Safety information: Please refer to the latest Safety Data Sheet (SDS) for hazard classification, precautions for use, and personal protective equipment (PPE).

OTHER DATA

- ✓ Water-based product for a more eco-friendly treatment
- ✓ Easy to apply
- ✓ Natural effect
- ✓ Does not noticeably alter the aesthetic appearance of the treated surface
- ✓ Reduces the adhesion of mold and algae, providing breathable, long-lasting, and restorable protection
- ✓ Prevents water penetration and helps keep the treated surface clean
- ✓ Does not yellow under any environmental or aging conditions
- ✓ Provides protection for historic buildings or buildings of particular architectural value
- ✓ Does not form a surface film
- ✓ Has high penetration capabilities
- ✓ Not hazardous under current European regulations on the classification of preparations
- ✓ Can be used both indoors and outdoors

Compliant with the UNI EN 15457 standard (resistance to fungal growth), thanks to the presence of specific broad-spectrum additives, the product prevents the formation of mold, fungi, algae, and moss over time.

*Since January 1, 2016, formaldehyde has been classified as a carcinogen in Italy. The IARC (International Agency for Research on Cancer) classifies these substances based on their harmfulness to humans.

**APEO-free indicates a product free of APEO (alkylphenol ethoxylate), a substance hazardous to the environment and aquatic organisms. The REACH regulation (Regulations EC 552/2009 EC 1907/2006 REACH) prohibits the use of APEO in concentrations equal to or greater than 1,000 ppm (parts per million) in Europe.

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MAIN CHARACTERISTICS

- ✓ Store in a dry, dry place, away from sunlight.
- ✓ Do not apply on dusty surfaces.
- ✓ Do not apply on wet surfaces.
- ✓ Do not apply on frozen surfaces.
- ✓ Do not apply on still-damp surfaces and repairs.
- ✓ Do not apply in strong sunlight (outdoor application).
- ✓ Do not apply in strong wind (outdoor application).
- ✓ Do not apply in rain (outdoor application).
- ✓ Make sure the temperature does not drop below +10°C before application. Application
- ✓ Do not apply where rising or infiltrating damp has been confirmed.
- ✓ Consult the local weather forecast (outdoor application).
- ✓ Properly cover fixtures, doors, etc. before application.

WARNINGS

- ✓ Product for professional use; comply with national standards and regulations.
- ✓ Apply when the surface temperature is above +10°C.
- ✓ Apply to permanently dry surfaces.
- ✓ Protect from direct sunlight and drafts for the first 6 hours.
- ✓ Do not apply to dirty or loose surfaces.
- ✓ Dispose of in accordance with current regulations.
- ✓ Materials exposed to temperature changes (due to transport, storage, construction site, etc.) may cause substantial changes to the product (e.g., crystallization, partial hardening, fluidification, accelerated or delayed curing).
- ✓ In most cases, restoring the products to optimal conditions will also restore their original characteristics.
- ✓ Protect surfaces and objects in the application area from accidental contact.
- ✓ If necessary, request the product data sheet. Safety information or contact Nikkolor Italia Technical Customer Service at +39 333 861 8963
- ✓ www.nikkolor.net

Data measured at +20°C, 65% RH, and no ventilation. They may vary depending on specific construction site conditions: temperature, ventilation, and substrate absorbency.

This information may be supplemented and/or modified over time by Nikkolor Italia s.r.l.; for any such updates, please consult the website www.nikkolor.net.

Nikkolor Italia s.r.l. is therefore responsible for the validity, timeliness, and currency of its information only if taken directly from its website.

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The technical data sheet is prepared based on our best technical and application knowledge.

However, since we cannot directly influence construction site conditions and the execution of work, it represents general information that does not bind our company in any way.

A preliminary test is therefore recommended to verify the product's suitability for the intended use.





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