New Atriapol W Antibacterial

Technical Data Sheet — Revision: 27/10/2025

Two-component, water-dilutable, transparent polyurethane finish UV-resistant, ISO 22196:2011 certified.

Product Description

New Atriapol Antibacterial it's a two-component, transparent, water-soluble, non-yellowing polyurethane finish, developed with an advanced formulation to ensure maximum protection and hygiene on internal surfaces in scope residential, commercial and healthcareThis innovative coating creates a extremely resistant protective film, capable of preserving the surface frommechanical wear, chemical agents and bacterial contamination, without altering its aesthetic appearance or tactile properties.

Thanks to its closed-pore structure, limits the absorption of liquids and impurities, facilitating maintenance and reducing the risk of bacterial proliferation. The antibacterial technology integrated into the formulation guarantees high efficacy against harmful microorganisms, confirmed by the ISO 22196:2011 certification, which certifies the product's ability to inhibit the growth of bacteria such as Escherichia coli and Staphylococcus aureus .

Ideal for walls and floors in high-traffic environments, New Atriapol Antibacterial It is a new generation technical solution , designed to improve the safety and durability of treated surfaces, in compliance with the highest standards of quality and environmental sustainability. Distinguishing features: Anti-absorbent effect: limits the penetration of liquids and contaminants, facilitating daily cleaning.

Superior chemical and mechanical resistance: protects surfaces from stress, scratches and aggressive detergents. Hard-elastic film: ensures an optimal balance between flexibility and robustness, avoiding cracks or detachments. Quick drying and overlay times (6-8 hours) , optimizing processing times. Compatibility with neutral detergents, for effective cleaning without compromising the performance of the coating.

Eco-friendly formula, low VOC content, compliant with current environmental regulations. Suitable for surfaces subject to frequent sanitization, preserving the integrity of the treatment over time. New Atriapol Antibacterial represents an innovative solution for those who need a high-performance coating high performance hygienic and mechanical, ideal for contexts where safety, durability and ease of maintenance are fundamental requirements.

Fields of Application

New Atriapol Antibacterial It is ideal for application on wall surfaces and floors in concrete, microcement and concrete, ensuring high adhesion and chemical-mechanical resistanceThe support must be appropriately prepared and finished to ensure maximum effectiveness of the protective treatment. Thanks to its advanced formulation, the product is particularly suitable as protective and functional finish inside the Atriafloor decorative system, exalting it aesthetics, His versatility and adaptability make it an excellent choice for contexts where resistance, protection and hygiene are priority factors, including: Luxury residential environments: living rooms, bedrooms, bathrooms and kitchens with exposed surfaces.

Commercial spaces and showrooms: premises with high pedestrian traffic subject to frequent cleaning operations. Healthcare facilities and laboratories: environments where hygiene is a fundamental requirement. Schools, offices and public spaces: surfaces exposed to wear and tear and continuous sanitization.

Catering and hotels: rooms that require protection against stains, humidity and aggressive detergents. New Atriapol Antibacterial It is therefore an ideal solution for applications that require a high-performance coating tall hygienic, protective and aesthetic performances, ensuring longevity and safety of treated surfaces.

Technical Features

Appearance Glossy - Matt Colour in can Milky Density Kg/Lt 1.00 ± 0.01 Supply viscosity 25°c 80 - 110 seconds Ford 4 Volumetric dry residue 48 ± 2 % Theoretical coverage 0.085 - 0.100 lt/m2 per coat Mixing ratio Base / Catalyst 84 - 16 Pot Life 2 hours at 25°C Dilution Water Application method Roller First coat 20 - 30 % / second coat 12 - 20% Spray Dilution 20 - 30 % Application optimization To improve the aesthetic effect of New Atriapol glossy or matt it is

recommended the application of Atriafloor Filler see technical data sheet Drying 25°C Touch free 1 - 2 hours Touch dry 4 - 6 hours Deep dry 18 - 24 hours Overcoating Minimum/Maximum at 25°C 6 - 8 hours / Maximum 5 days Walkability at +23°C and 55% RH 12 - 14 hours Gloss EN ISO 2813 Gloss > 75 Gloss / Matt between 12 and 18 Gloss Wet abrasion Din 53778 >10000 Resistance to abrasion after 7 days (Taber abrasion meter, 1000 g, >60 1000 revs) (EN ISO 5470-1) (mg): Capillary absorption and water permeability EN 1062 0.052 kg/m²■h0.5 Adhesion to direct traction EN 1542 >3.6 Mpa (rigid system with traffic) Shore hardness D5 DIN 53505 >60 Fire reaction EN 13501-1 nd Operating temperature -10 °C / +100°C

Storage

stability Base 24 months / Hardener 12 months Standard packaging Lt.1 - Lt.

Application Method

Surface preparation Before application, make sure the surfaces are perfectly clean, free from dust, oils, greases or other contaminants which could compromise the adhesion of the product . Surfaces finished with the Atriafloor cycle: check that the support is clean, level, uniform and free from dust to ensure a uniform application.

- New or absorbent surfaces: in case of new constructions, respect the maturation times of the support before application. Application optimization To enhance the aesthetic effect and performance of the cycle New Atriapol (glossy or matte), it is recommended to apply Atriafloor Filler as a leveling and protective layer. For detailed instructions for use, please refer to the product data sheet. Product preparation
- Mixing: Deposit the hardener inside the base and mix thoroughly until you obtain a homogeneous mixture. o Mix manually or with a low speed agitator to avoid air entrapment.
- Dilution: Add drinking water in the percentage recommended based on the ambient temperature to optimize the workability of the product. Application methods Application with a stainless steel spatula or trowel
- Pour an adequate amount of New Atriapol Antibacterial on the surface.
- Spread the product evenly, avoiding accumulations or excesses.
- After 6-8 hours, apply a second coat based on environmental conditions. Application with roller
- Use a short-haired roller for enamels (preferably mohair type) for even application.
- Dip the roller into the container and distribute the product with crisscross movements to avoid visible overlaps.
- Wait 6-8 hours before applying the second coat. Special applications
- Shower enclosures and wet areasIt is essential to respect a minimum time of polymerization of 4-5 days before exposing the surface to persistent moisture . Important: New Atriapol Antibacterial is not a waterproofer. It is suitable for surfaces with temporary contact with water (e.g. showers, bathtubs) , provided there is no prolonged stagnation. Note for professionals New Atriapol Antibacterial is a product with professional useFor best results, we recommend carefully following the preparation and application instructions. Maintenance and Care To ensure maximum durability and maintain the aesthetic appearance of the surface: Ordinary cleaning: use warm water and neutral detergents, avoiding aggressive or abrasive products. Additional protection: it is possible to apply Atriafloor Wax after complete drying of New Atriapol Antibacterial.
- Distribute with a sponge, soft cloth or wax spreader, repeating the operation as needed to restore the original effect of the surface.

Tips and Notes

■ Environmental conditions of application

- Apply New Atriapol Antibacterial exclusively in favorable environmental conditions, to ensure optimal polymerization and uniform drying of the film. Media and ambient temperature: +8°C / +38°C Relative humidity: ≤ 85%
- Avoid application: – On overheated surfaces or directly exposed to sunlight – In case of strong wind, impending rain or unstable weather conditions – Up wet media, not seasoned or affected by rising damp Drying and maturation of the film
- Under standard conditions (20°C – 65% RH), the product dries in 4–6 hours between one hand and the other.

• In the presence of low temperatures or poor ventilation, extend drying times to avoid hardening defects or surface halos.

• The maximum hardness and chemical-mechanical resistance is reached after a period of full maturation of 5–7 days. Application recommendations

• Apply only on surfaces perfectly clean, dry and free from contaminants (oils, greases, powders, waxes or silicones).

• Make sure that the the support is cohesive, seasoned and free of residual humidity.

• Mix thoroughly base and hardener respecting the catalysis ratios indicated in the technical data sheet; non-homogeneous mixing may compromise the final performance . Accurately connect joints, gaps and construction details to avoid infiltration, especially in environments wet or in direct contact with water (shower cubicles, bathroom walls, sink tops).

• In case of accidental splashes or spills, remove immediately The product to prevent the formation of stains or halos. ■ Surface protection

• After application, protect the treated surface for at least 24–48 hours from dust, water, shocks and pedestrian traffic.

• Avoid using or putting into operation until completely maturation of the protective film. Guaranteed cycle

• The declared performance of resistance, hardness and adhesion are guaranteed exclusively if New Atriapol Antibacterial It is used inside the Atriafloor complete cycle, which provides: – Dedicated primer – Specific smoothing compound – Decorative resin (e.g. Atriafloor Titanium , Supertitanium , Resina One) – Protective finish (New Atriapol Antibacterial)

• The use of the product outside the cycle or as a single element does not ensure the same chemical performance mechanics.

Product storage

• Store in original containers tightly closed, in place cool, dry and ventilated, sheltered from direct sunlight And heat sources.

• Ideal storage temperature: +5°C / +35°C

• In case of exposure to low temperatures, bring the product back to 20–25°C before use to facilitate application and achieve optimal mixing.