
New Atriapol Antibacterial

Technical Data Sheet | Rev. 27/10/2025

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

Product Description

New Atriapol Antibacterial is a transparent, water-soluble, non-yellowing two-component polyurethane finish, specifically developed for application on walls and floors in residential settings. This cutting-edge product combines aesthetic functionality and advanced protection, offering an ideal solution for surfaces that require resistance, hygiene, and ease of maintenance.

This innovative coating creates an **extremely resistant protective film**, capable of preserving surfaces from **mechanical wear, chemical agents, and bacterial contamination**, without altering the aesthetic appearance or tactile properties. Thanks to its **closed-pore structure**, it 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 **ISO 22196:2011 certification**, which attests to 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 is a next-generation technical solution, designed to improve the safety and durability of treated surfaces, meeting the highest standards of **quality and environmental sustainability**.

Key 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**, preventing cracks or detachment.
- **Fast drying and recoating times (6-8 hours)**, optimizing work schedules.
- **Compatible with neutral detergents**, for effective cleaning without compromising coating performance.
- **Eco-compatible formula**, with low VOC content, compliant with current environmental regulations.
- **Suitable for surfaces subject to frequent sanitization**, preserving the integrity of the treatment.

Fields of Application

New Atriapol Antibacterial is ideal for application on wall surfaces and floors made of cement, microcement, and concrete, properly prepared and finished to ensure optimal performance. It is particularly suitable as a protective layer and finish for the **Atriafloor decorative system**, enhancing its aesthetics and durability.

- **Premium residential environments:** living rooms, bedrooms, bathrooms, and kitchens with exposed surfaces.

- **Commercial spaces and showrooms:** areas with heavy foot traffic subject to frequent cleaning.
- **Healthcare facilities and laboratories:** environments where hygiene is a fundamental requirement.
- **Schools, offices, and public buildings:** surfaces exposed to wear and continuous sanitization.
- **Restaurants and hotels:** areas requiring protection against stains, humidity, and aggressive detergents.

Technical Specifications

Appearance	Glossy - Matte
Color in container	Milky white
Density Kg/Lt	1.00 ± 0.01
Supply viscosity 25°C	80 - 110 seconds Ford 4
Volumetric dry residue	48 ± 2%
Theoretical yield	0.085 - 0.100 lt/m ² per coat
Base/Catalyst mixing ratio	84 - 16
Pot Life	2 hours at 25°C
Dilution	Water
Application method - Roller	First coat 20-30% / Second coat 12-20%
Application method - Spray	Dilution 20-30%
Drying 25°C - Dust free	1 - 2 hours
Drying 25°C - Touch dry	4 - 6 hours
Drying 25°C - Through dry	18 - 24 hours
Min/Max recoating at 25°C	6 - 8 hours / Maximum 5 days
Walkability at +23°C and 55% R.H.	12 - 14 hours
Gloss EN ISO 2813	Glossy > 75 / Matte 12-18 Gloss
Wet abrasion DIN 53778	> 10,000
Abrasion resistance 7 days (Taber)	> 60 mg
Operating temperature	-10°C / +100°C
Storage stability	Base 24 months / Hardener 12 months
Standard packaging	Lt 1 - Lt 5

Application Method

Surface Preparation

Before application, ensure that surfaces are **perfectly clean, free of dust, oil, grease, or other contaminants** that could compromise product adhesion.

- **Surfaces finished with Atriafloor cycle:** verify that the substrate is **clean, leveled, uniform, and dust-free** to ensure homogeneous application.
- **New or absorbent surfaces:** for new constructions, **respect the curing times** of the substrate before application.

Product Preparation

- **Mixing:** Pour the **hardener** into the base and mix thoroughly until obtaining a homogeneous compound. Mix manually or with a **low-speed agitator** to avoid air entrapment.
- **Dilution:** Add drinking water at the recommended percentage based on ambient temperature to optimize product workability.

Application with Stainless Steel Spatula or Trowel

Pour an adequate amount of New Atriapol Antibacterial onto the surface. Spread the product uniformly, avoiding accumulation or excess. After **6-8 hours**, apply a second coat based on environmental conditions.

Application with Roller

Use a **short-nap enamel roller** (preferably mohair type) for homogeneous application. Dip the roller in the container and distribute the product with cross movements to avoid visible overlaps. Wait **6-8 hours** before applying the second coat.

Maintenance and Care

- **Regular cleaning:** use **lukewarm water and neutral detergents**, avoiding aggressive or abrasive products.
- **Additional protection:** Atriafloor Cera can be applied after complete drying of New Atriapol Antibacterial.

Warnings and Notes

Apply exclusively in **favorable environmental conditions**:

- **Surface and ambient temperature:** +8°C / +38°C
- **Relative humidity:** ≤ 85%

Under standard conditions (20°C - 65% R.H.), the product **dries in 4-6 hours** between coats. Maximum hardness and chemical-mechanical resistance is reached after a complete curing period of **5-7 days**.

After application, **protect the treated surface for at least 24-48 hours** from dust, water, impacts, and foot traffic. Avoid use until complete maturation of the protective film.

Product Storage

Store in original **tightly sealed containers**, in a cool, dry, and ventilated place, away from direct sunlight and heat sources. **Ideal storage temperature:** +5°C / +35°C.

Colorificio Atria S.R.L. — Contrada Camarro Formeca 91028 Partanna (Tp) Italy — www.atria.it

(*) This information, although believed to be reliable, must be considered indicative. The company reserves the right to change it without notice. It is the responsibility of the users to verify in advance the suitability of the product for the specific use.