

Atriafloor Titanium

Technical Data Sheet — Revision: 27/10/2025

Colored decorative equalizing resin for walls and single-component interior flooring.

Product Description

Atriafloor Titanium It is a single-component decorative resin, formulated with modified polyurethane resins in aqueous emulsion and selected aggregates with controlled grain size, designed to create seamless surfaces with a high aesthetic value and a distinctive material feel. Thanks to its spatula effect and velvety texture, it allows for the creation of contemporary or industrial design environments, with a finish that has a strong visual and tactile impact.

It is suitable for coating new or existing surfaces, offering high adhesion and excellent performance even on difficult substrates. Its formula gives the material excellent workability and allows for application on interior walls and floors, in residential, commercial, and contract settings. Once dry, Atriafloor Titanium generate a film hard-elastic, opaque and closed-pore, easily sandable dry or wet, even with mechanical sanding.

It is suitable for low thickness cycles, while still guaranteeing a high filling power And excellent mechanical resistanceThe product is ReMade in Italy certified n. 1271/001 by Bureau Veritas Italia, compliant with criterion 2.4.1.2 – Matter recovered or recycled of the CAM Construction (Ministerial Decree 11 October 2017 – Official Journal no. 259 of 6 November 2017), actively contributing to environmental sustainability and compliance with public procurement requirements.

Features and Performance

- Decorative spatula finish: material effect with refined texture for high-quality interiors.
- Excellent adhesion on new or consolidated substrates: ideal for renovation cycles on plaster, smoothing or old flooring.
- Single-component water-based: easy to use, without harmful emissions, odorless and compliant with environmental regulations.
- Hard-elastic closed-pore: protects surfaces and allows for easier sanding, even mechanical sanding . High filling power: masks small irregularities in the substrate, allowing for uniform and covering application even at low thickness . High mechanical resistance: withstands medium foot traffic and light wear in residential or professional environments.
- Good surface impermeability: barrier to liquid water and protection against stains, maintaining the breathability of the surface.
- Compatible with protective finishes: can be overpainted with water-based polyurethane or acrylic paints to increase chemical resistance and cleanability.

Fields of Application

Thanks to its water-based polyurethane formulation and its high decorative spatula effect, Atriafloor Titanium it is indicated for the creation of continuous surfaces in interior environments where a modern, elegant and functional aesthetic result is desired . The product is suitable both in residential contexts That light commercial, and is used in the renovation or renewal of existing surfaces.

Interior floors and walls: on cementitious substrates, skim coats, screeds, plasters, or plasterboard, for highly aesthetic environments such as living rooms, bedrooms, showrooms, or reception areas. Tiled surfaces: when properly prepared, it allows the covering of old tiles, without the need for demolition, with high levelling power.

Bathrooms and kitchens: thanks to the closed-pore finish and good surface waterproofing, it can also be used in humid environments, subject to final protection with finishing varnish. Commercial or contract areas: ideal for interior spaces subject to light or medium traffic (e.g. offices, shops, waiting rooms), ensuring durability and ease of maintenance.

Interior design projects: for new or renovated vertical and horizontal surfaces, where a sophisticated and contemporary spatula effect is required. Atriafloor Titanium represents a versatile solution for those looking for aesthetics, functionality and environmental sustainability, with the possibility of chromatic and cyclical customization based on the environment and the desired result.

Technical Features

Appearance Matt Colour in can Colour chart Box True Cement or colours on request Density Kg/Lt 1.45 ± 0.05 Supply viscosity 25°C 12000 ± 3000 Cpa.s Volumetric dry residue $74 \pm 2\%$ Theoretical Standard Sales Coverage 1 – 1,100 kg/m² in 2 coats on smooth surface SF-THAI Version 0.600 – 0.700 kg/m² in 2 coats on smooth surface Grane MIX Version 0.800 – 1 kg/m² in 2 coats on smooth surface Typical thickness micron 0.8 – 1 mm Dilution Water, in cold periods add max 2% Application method Spatula or trowel Drying 25°C Touch free 3 hours Touch dry 6 - 8 hours Deep dry 18 - 24 hours Overcoating Minimum/ Maximum 5 hours / 10 days Walkability before application 6 - 12 hours for the application of subsequent coats Hardening time 12 – 18 hours Adhesion on concrete After 7 days, MPA > 2.5 - 3.2 (UNI 8298 - 1) Flexural strength After 28 days, MPA 3.5 ± 2 (EN 1015 - 11) Compressive strength After 28 days, MPA 28 ± 2 (EN 1015 - 11) Operating temperature -10 °C / +120°C

Storage

stability 12 months Standard packaging Kg 1 – Kg 5 – Kg 20

Application Method

To ensure a uniform aesthetic result and effective protection over time, it is essential to follow every phase of the application cycle. Atriafloor Titanium must be applied to properly prepared and consolidated substrates.

Preparation of the substrate

Preliminary cleaning Make sure surfaces are dry, clean, sound, and free of dust, oils, waxes, or other contaminants. For new construction, wait until the subfloors are fully cured. Priming

- Cement substrates, screeds, mineral surfaces: apply Atriafloor Consolidating, high penetration adhesion promoter .
- Non-absorbent or smooth surfaces (tiles, stoneware, marble): apply Atriafloor Primer to ensure excellent adhesion. Support uniformity On irregular or grouted supports (e.g. tiles) Apply two coats of Atriafloor Rasante One to fill gaps and gaps. Indicative consumption: 2 kg/m² in two coats. Allow to dry completely between applications.

Application of Atriafloor

Titanium First coat (base coat) Spread out Atriafloor Titanium with stainless steel trowel, until a smooth, continuous surface is obtained. Leave to dry for 4–5 hours (at 20°C – 65% RH). Second hand (decorative) Apply a second coat with stainless steel or plastic spatula, modelling the product to obtain the cementitious spatula effect.

On light colours we recommend using plastic spatulas to avoid metal markings or halos.

Protection and finishing

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. Floors subject to foot traffic, humid environments or shower cubicles Apply two coats of New Atriapol Antibacterial, two-component transparent polyurethane finish high resistance chemical-mechanical, with properties antibacterial, water-repellent and waterproof, ideal for ensuring maximum durability and protection of the support.

Internal vertical surfaces Apply two coats of New Atriapol Antibacterial to complete the decorative cycle, obtaining a film transparent, homogeneous and easily washable, which preserves the aesthetic appearance of the covering over time.

Tips and Notes

Environmental conditions of application

- Apply Atriafloor Titanium only in favourable weather conditions, to ensure proper drying and optimal cycle performance. Substrate and ambient temperature: between +8°C and +35°C Relative humidity: ≤ 85%
- Avoid application: – On damp or imperfectly seasoned surfaces – In the presence of rising damp or residual condensation – On rainy, windy days or with strong temperature variations Drying and curing times
- Under standard conditions (20°C – 65% RH), wait at least 4–5 hours between the hands.
- In winter or in humid climates, extend drying times, to allow the water contained in the product to evaporate completely. Insufficient drying can compromise the system's hardness and strength. Application recommendations
- Apply only to surfaces clean, dry, cohesive And perfectly dust-free.
- Avoid use on substrates contaminated by oils, silicones or release agents.
- In the presence of discontinuous or jointed surfaces, level beforehand with Atriafloor Rasante One, according to the methods provided.
- Make sure that the supports are seasoned and free from residual or active humidityIt's important to seal edges and joints to prevent leaks. Protection of the treated surface
- Protect the newly created decorative system from dust, water, impacts or contamination for at least 24–48 hours.
- The mechanical resistance and ultimate hardness they are reached after at least 5–7 days of full maturation. Performance guarantees
- The mechanical and decorative features of Atriafloor Titanium (hardness, adhesion, wear resistance) are guaranteed only if inserted in a complete Atriafloor cycle, composed of primer, filler, Titanium and final protector (New Atriapol Antibacterial).
- The separate application of Titanium alone, without background support and protection, does not insure optimal technical performance nor a long treatment duration.

Product storage

- Store in a cool, dry place. cool, dry and ventilated, away from frost and heat sources.
- Keep containers tightly closed. Ideal storage temperature: +5°C / +35°C
- Bring to room temperature before application if stored at low temperatures.

(*) This information is considered indicative only. The company reserves the right to change it without notice. It is the users' responsibility to verify suitability for their specific use.