

Atriafloor SuperTitanium

Technical Data Sheet — Revision: 27/10/2025

High resistance two-component decorative resin, colored equalizer, specific for wall coverings and floors in interior environments.

Product Description

SuperTitanium BC SuperTitanium BC is a two-component, high-performance decorative resin formulated with modified polyurethane resins in aqueous emulsion and selected aggregates with controlled grain size. It is designed for decorating, renovating, and consolidating floors and walls subject to stress, offering a compact, durable, and aesthetically refined trowelled finish.

The advanced technical formulation gives SuperTitanium BC high filling capacity and excellent mechanical strength, even when applied at reduced thicknesses. The cured coating is hard-elastic, closed-pored, with excellent abrasion resistance and easy sanding both dry and wet, using manual or mechanical procedures.

The uniform surface limits dirt penetration and facilitates routine and extraordinary maintenance. Thanks to its high adhesion, SuperTitanium BC is particularly suitable for interior spaces characterized by medium-high traffic or subject to repeated mechanical stress, including commercial spaces, prestigious residential environments, and settings with an industrial and contemporary design.

The water-based emulsion formulation guarantees a reduced environmental impact, making SuperTitanium BC an ideal choice for applications in eco-sustainable projects, low-impact renovations and environments sensitive to ecological criteria.

Features and Performance

High-performance, two-component decorative polyurethane resin, ideal for surfaces subject to traffic and mechanical stress. Highly resistant to abrasion and wear, ensuring long-lasting durability and aesthetic stability over time. An elegant and compact spatula finish, suitable for contemporary and industrial design environments.

Closed-pore surface that limits dirt absorption and facilitates cleaning and maintenance. Excellent adhesion to new or existing surfaces, ensuring excellent coating stability. Elastic and resistant formulation, ideal for applications on interior floors and walls. Easily sandable both dry and wet, with excellent workability, allowing for rapid application times.

Formulated in a water-based emulsion, it is eco-friendly and suitable for projects with a low environmental impact. Thanks to its innovative technology and advanced technical characteristics, SuperTitanium BC It represents the ideal solution for decorating and consolidating high-quality surfaces, ensuring high aesthetic quality, mechanical resistance and durability over time.

Fields of Application

SuperTitanium BC It is specifically formulated for the decorative and protective coating of interior masonry, concrete, and tiled surfaces, ensuring high adhesion even on difficult substrates. It is particularly suitable for applications requiring high-quality aesthetic finishes, mechanical resistance, and durability over time, such as: Prestigious residential environments and modern living spaces.

Offices, showrooms and commercial spaces with a high aesthetic impact
Lofts and environments with an industrial and contemporary design
Shops, boutiques and commercial environments subject to medium-high traffic
Internal surfaces subject to frequent stress and daily wear
Renovations and aesthetic renewal of existing walls and floors, including difficult substrates such as tiles
Thanks to its excellent filling capacity and the hard-elastic coating that can be obtained, SuperTitanium BC It represents the ideal solution for projects that require uniform, resistant, easy-to-maintain finishes characterised by high aesthetic standards.

Technical Features

Appearance Matt Colour in can Colour chart Box True Cement or colours on request Density Kg/Lt 1,650 ± 0,05 Supply viscosity 25°C 12000 ± 3000 Brookfield CP Volumetric dry residue 76 ± 2% Theoretical coverage 1 – 1,200 kg/m² in 2 coats on smooth surface Pot Life at 25°C 3 hours maximum Use ratio Base / Hardener 97 / 3 Typical thickness micron 0,8 – 1 mm Dilution Water, in cold periods add max 3% Application method Spatula or trowel Drying 25°C Touch dry 3 hours Touch dry 6 - 8 hours Deep dry 18 - 24 hours Sandable 12 – 18 hours depending on temperature Overcoating Minimum/Maximum 5 hours / 10 days Walkable application 6 - 12 hours for the application of the following coats Adhesion on concrete After 7 days, MPA > 3 - 3.5 (UNI 8298 - 1) Flexural strength After 28 days, MPA 3.5 ± 2 (EN 1015 - 11) Compressive strength After 28 days, MPA 32 ± 2 (EN 1015 - 11) Adhesion tester ASTM D 4541 > 2.5 N/mm² Shore hardness D5 DIN 53505 > 65 Operating temperature -10 °C / +120°C

Storage

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

Application Method

Before proceeding with the application of SuperTitanium BC, ensure that all surfaces are thoroughly cleaned, dry, and free of dust, oil, grease, and other contaminants. For new substrates, strictly adhere to the curing times specified for the type of material. Substrate preparation and priming: The surfaces must be primed using suitable consolidants or adhesion promoters, based on the nature of the substrate:

- Concrete or marble supports: apply a coat of Atriafloor Consolidating high penetration.
- Ceramic, stoneware and tiled supports: apply a coat of Atriafloor Primer. Subsequently proceed to regularize the support according to the following methods:
 - On concrete and regular substrates: Apply two coats of Atriafloor Rasante One to even out and equalize the surface. The expected average consumption is approximately 2 kg/m² total (two hands).
 - On tiled surfaces with joints (ceramic, stoneware, etc.): Apply two coats of Atriafloor Rasante One to even out the surface and perfectly seal the joints, with an average total consumption of approximately 2 kg/m² (two hands).
 - On smooth and perfectly uniform walls: After priming with Atriafloor Consolidating, you can proceed directly to the application of SuperTitanium BC. Recommended application of SuperTitanium BC:
 - First hand: Apply a generous amount of SuperTitanium BC on the prepared substrate, using a stainless steel trowel. Smooth carefully until a completely smooth and homogeneous surface is obtained. Wait a minimum drying time of approximately 4-5 hours, based on climatic and environmental conditions.
 - Second coat (decorative finish): Apply a second coat of SuperTitanium BC Using a stainless steel or plastic spatula, create the desired troweled, cement-like effect. For light colors, a plastic spatula is recommended to avoid unwanted streaks.

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. This application procedure allows you to obtain excellent aesthetic and performance results, guaranteeing durability, quality and ease of maintenance.

Tips and Notes

- Environmental conditions of application

- Apply Atriafloor Supertitanium only in favourable environmental conditions to ensure uniform drying and correct polymerisation. Substrate and environmental temperature: +8°C / +35°C Relative humidity: ≤ 85%
- Avoid application: – On overheated surfaces or directly exposed to the sun – In case of strong wind, imminent rain or unstable weather conditions – On damp or inadequately cured surfaces, or in the presence of rising damp
Drying and maturation of the film
- Under standard conditions (20°C – 65% RH), wait at least 4–6 hours between coats.
- In winter or in humid and poorly ventilated environments, extend drying times to prevent the film from remaining soft or subject to surface damage.
- The maximum mechanical resistance and hardness It is obtained after a complete cycle of ripening for 5–7 days. Application recommendations
- Apply the product only on perfectly clean, dry and contaminant-free surfaces (oils, greases, powders, silicones).
- It is essential that the support is seasoned, cohesive and free of residual moisture
- Carefully connect joints, gaps, and details to prevent infiltrations, especially in humid environments or in contact with water (e.g. shower cubicles, sink tops, bathroom walls) . ■ Surface protection
- Protect the treated surface for at least 24–48 hours after final application to avoid mechanical damage, dust or water splashes.
- Avoid pedestrian traffic or direct use until complete maturation of the film. Guaranteed cycle
- The declared technical performances (resistance, adhesion, hardness) are guaranteed only in the presence of the complete cycle Atriafloor, which includes: – Dedicated primer – Specific filler – Atriafloor Supertitanium as a decorative resin – Final protector (e.g. New Atriapol Antibacterial)
- Partial application or use of the product alone outside the cycle does not guarantee the same performances.

Product storage

- Keep in well-closed original containers, away 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 improve its applicability.

(*) 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.