

Atriafloor Consolidante

Technical Data Sheet — Revision: 04/23/2025

Two-component, water-based consolidating epoxy primer dilutable.

Product Description

Atriafloor Consolidating is a high quality two-component epoxy primer, formulated with polyamide resins modified, designed for the consolidating and anti-dust treatment of cementitious and absorbent surfaces. Thanks to its cross-linked molecular structure, it penetrates deep into the pores of the substrate, improving its internal cohesion and preparing the surface to receive subsequent finishes or decorative cycles.

The product is specifically designed for to strengthen weak or poorly cohesive funds, block surface dust, improve the durability and increase themembership of subsequent application layers. Its versatility makes it ideal for use in Atriafloor cycles on floors or walls, in both residential and technical environments.

Formulated to be compatible with coatings two-component, both based waterfall That solventAtriafloor Consolidante is the perfect consolidating solution for substrates subject to low residual humidity, exposure to moderate traffic or technical decorative cycles. Distinctive features

- Consolidating epoxy primer for absorbent and cementitious surfaces
- Deep penetration and dust-repellent action
- Improves adhesion and compatibility of subsequent cycles
- Excellent chemical and mechanical resistance
- Suitable for both internal environments and specialist technical applications
- Compatible with two-component water- and solvent-based finishes
- Quick drying and easy to apply

Fields of Application

Thanks to its two-component epoxy formulation with high penetration and its excellent structural consolidation capacity, Atriafloor Consolidating It is the ideal solution for the professional preparation of absorbent and porous surfaces in both residential and industrial environments. The product acts as a consolidating and dust-proof base before applying decorative finishes, resins, or protective coatings.

Cement and mineral substrates:

- Surfaces in concrete, cement mortars or cement-based plasters
 - Flooring in polished marble or stone agglomerates sanded
 - Industrial screeds and flooring subject to light or medium traffic
- Decorative and technical coatings:
- Preparation of funds for the creation of decorative cycles of the line Atriafloor
 - Consolidation of cementitious surfaces for applications with self-leveling resins, spatula floors or finishes two-
- Application environments:
- Homes, showrooms, commercial premises, garages
 - Internal vertical or horizontal surfaces where it is necessary to block dust and ensure uniform adhesion
- Atriafloor Consolidating It is particularly suitable as a preliminary treatment for all Atriafloor resin cycles where excellent system sealing is required, even in conditions of variable porosity or moderate residual humidity.

Technical Features

Appearance Semi-gloss Colour in can Straw Density Kg/Lt 1.010 ± 0.05 Supply viscosity 25°C 40 – 60 seconds F4 Volumetric dry residue 40 ± 2% Theoretical coverage 100 – 150 gr/m2 depending on absorption Pot Life at 25°C 2 hours maximum Usage ratio Base / Hardener 77 / 23 Dilution Water Application method Brush As is Roller As is

Conventional spray As is Drying 25°C Touch dry 2 - 3 hours Touch dry 8 - 12 hours Deep dry 18 - 24 hours Sandable 12 – 18 hours depending on temperature Overcoating Minimum/Maximum 12 hours / 15 days Operating temperature -5 °C / +100°C

Storage

stability 12 months Standard packaging Kg 1 – Kg 5

Application Method

To ensure deep consolidation and optimal adhesion of subsequent finishes, it is essential to carefully prepare the substrate before applying Atriafloor Consolidating. Below are the recommended operating steps:

Preparation of the substrate

1. Preliminary inspection

- Check that the surface is cohesive, dry, free from unstable cracks or contamination superficial.
- The presence of residual humidity must not exceed the 7%, measured with a carbide hygrometer.
- 2. Cleaning and removal of impurities
- Remove completely parts in detachment, friable materials, dust, oils, waxes or non-stick residues.
- In case of oil contamination, use specific solvents or professional detergents to obtain a completely degreased surface.
- 3. Restoration and standardization
- On supports degraded, irregular or rough, proceed with localized shavings or totals, using compatible materials.
- For cracks and fissures, use technical fillings before applying the consolidant. Application on cement surfaces
- Apply Atriafloor Consolidante with a roller, brush or low pressure spray on a perfectly dust-free surface.
- Distribute the product in uniform and continuous layer, avoiding stagnation.
- The consolidant can be left as dustproof base coat, or overpainted with Atriafloor decorative or protective cycles. Technical note: Application on surfaces subject to rising damp or uninsulated (e.g. underground) is not recommended, as it can compromise the adhesion of the cycle.

Tips and Notes

Environmental and storage conditions

- Keep Atriafloor Consolidating in a cool, dry place, away from heat sources and direct sunlight.
- Keep containers well closed and at a controlled temperature between +5°C and +35°C.
- Avoid application in environments with relative humidity >85% or in case of significant temperature variations.

Support Terms

- The product must be applied exclusively on clean, dry, cohesive and well-seasoned surfaces, with residual humidity not exceeding 7%.
- In the presence of rising or osmotic damp, the use of barrier systems or specific treatments before application is recommended.
- Connect and seal the surfaces for avoid infiltrations, especially in areas subject to frequent contact with water or condensation. Application and mixing
- Atriafloor Consolidante is a two-component product: mix thoroughly the two components with a low- speed stirrer until a homogeneous paste is obtained.
- Do not use the product if the base is partially hardened or altered in consistency.
- Any lack of homogenization It may cause adhesion defects, color variations, or alterations in mechanical performance. ■ Performance and compatibility
- The performance of mechanical resistance, adhesion and compactness are guaranteed only within the complete cycle Atriafloor, which includes primer, skim coat, decorative finish and protective.

- The use of the consolidant as the only treatment It does not ensure the same performance in terms of durability and functionality. Technical tip: In high-stress environments (e.g. car parks, light industrial areas), Atriafloor Consolidante must always be followed by suitable finishes to ensure resistance to wear, abrasion and chemical stress.

(*) 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.