
Decorative cementitious coating for interiors, natural cement textured finish.

Product Description

A-Beton is a two-component, fine-grained decorative paste designed to create surfaces with an authentic, natural concrete effect, offering high aesthetic value and excellent durability. The formulation, based on cement, hydrated lime, and acrylic binder, yields a high-performance compound that, after mixing with component B, transforms into an application paste characterized by excellent workability and a pot life of approximately 6 hours.

Thanks to its specific composition, A-Beton faithfully reproduces the textured appearance of concrete, while overcoming the limitations of traditional ready-to-use products. The product can be applied in thin layers, up to approximately 2 mm, without cracking during drying, ensuring excellent adhesion to the substrate and a compact, uniform finish with a strong textured impact.

A-Beton therefore represents an ideal solution for decorating contemporary surfaces inspired by the world of exposed concrete, offering a perfect balance between aesthetic realism, ease of application and reliability of the final result.

Fields of Application

A-Beton is designed for decorative finishes on interior wall surfaces in residential, commercial, and professional settings where a distinctive textured effect inspired by natural concrete is desired. It is particularly suitable for high-quality decorative applications on the walls of homes, showrooms, offices, exhibition spaces, hospitality facilities, and commercial spaces with a contemporary architectural style.

The product enhances interior surfaces with a compact and authentic material aesthetic, characterized by the typical look of exposed concrete. A-Beton is particularly suitable for projects requiring surfaces with a strong visual impact, combining simplicity, modernity, and material realism, in line with the latest trends in interior architecture and contemporary design.

Technical Features

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I wait		Liquid base (polyacrylic resin, aggregates and additives) Solid base (True Cement calibrated mix)
Color in a jar		According to color chart (limited to mineral dyes only – oxides)
Density Kg/Lt		1,710 ± 0,05
Supply viscosity 25°C		Thixotropic
Volumetric dry residue		75 ± 2%
Theoretical yield		1 - 1.5 kg/m ² for 2 coats depending on the surface conditions
Typical thickness microns		0.6 – 0.8 mm in 2 coats 66 /
Mixing ratio Base (liquid) / Hardener (solid)		34 in weight
Pot Life		2 - 3 hours at 25°C
Dilution		With water maximum 2% if necessary
Application method		Steel spatula
Drying 25°C	Hardening time	12 - 18 hours
Minimum/Maximum Overlap		5 hours / 7 days
Final performance and complete polymerization		5 – 7 days
Membership on CLS		After 7 days, MPA > 2 - 2.2 (UNI 8298 - 1)
Bending resistance		After 28 days, MPA 3.5 ± 2 (EN 1015 - 11)
Compression Resistance		After 28 days, MPA 32 ± 2 (EN 1015 - 11) -10 °C /
Operating temperature		+120°C
Storage stability		12 months
Standard packages		1 kg - 5 kg - 20 kg

Application Method

Before applying A-Beton, ensure the substrate is perfectly clean, dry, sound, cured, and free of dust, oil, grease, efflorescence, loose particles, or other contaminants that could compromise the adhesion of the decorative coating. For new substrates, adhere to the curing times established based on the nature of the substrate.

Preparation of the substrate

Surfaces must be carefully prepared to achieve a smooth, compact, and uniformly absorbent base. Any loose, detached, or flaking parts must be removed, while irregularities, depressions, cracks, or surface defects must be repaired with suitable products.

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On absorbent or poorly cohesive substrates, it is advisable to apply a high-penetration consolidating primer to even out absorption and improve surface cohesion. On smooth or poorly absorbent substrates, preparation must include the use of a specific adhesion promoter, suitable for the nature of the substrate.

If necessary, the substrate must be smoothed and levelled until a continuous, uniform and uneven surface is obtained, suitable for receiving the subsequent decorative layer.

Product preparation

A-Beton is a two-component product and must be prepared by carefully mixing component A with component B until a homogeneous, lump-free, and perfectly workable mixture is obtained. After mixing, the product has a workability time of approximately 6 hours; it is therefore recommended to prepare quantities compatible with the actual application times.

Product Application

Apply A-Beton with a stainless steel trowel or spatula, spreading the material evenly over the surface, approximately 2 mm thick. The product must be spread carefully, avoiding excessive buildup and working the surface according to the desired aesthetic effect.

During application, it is possible to intervene with subsequent troweling to compact the material, even out the surface and enhance the typical material effect of natural concrete.

The application must be carried out within the product's useful life, so as to ensure aesthetic uniformity and correct adhesion to the substrate.

Once completely dry, if required by the decorative project, the surface can be further finished or protected with compatible finishing products, as required by the chosen application cycle.

Drying

Drying times may vary depending on the thickness applied, the absorbency of the substrate, and environmental conditions. Under standard conditions, the product gradually develops its mechanical and aesthetic characteristics during the curing phase.

TIPS AND NOTES

A-Beton must be applied only on solid, cured, dry, and perfectly prepared substrates. The quality of the final result depends significantly on the correct preparation of the substrate, the evenness of the applied thickness, and the application technique used.

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Environmental conditions of application

Apply the product when the substrate, ambient temperature, and material temperature are between +8°C and +35°C. Avoid application in high humidity, on overheated surfaces, under direct sunlight, or in conditions that may compromise proper drying of the material. Relative humidity should not exceed 85%.

Application recommendations

Do not apply to substrates with residual moisture or subject to capillary action. It is essential that the substrate is mechanically resistant and free of dust, oils, waxes, grease, old, loose paint, or any other release agents.

As a cement-based product with a strong material quality, the final appearance of A-Beton may vary depending on the application method, environmental conditions, substrate absorption, and application methods. It is therefore recommended to always perform a preliminary test on a small area of the surface to verify the aesthetic result, shade, and correct application technique.

The mixed product must be used within its workability time; do not use material that has already begun the hardening process and do not restore workability with improper additions after the start of setting.

Drying and maturation

In cold, humid, or poorly ventilated environments, drying and curing times may be significantly extended. In these conditions, it is necessary to wait longer before proceeding with any subsequent phases of the cycle. The product's complete curing and final performance will gradually occur in the days following application.

Surface protection

After application, the surface must be protected for at least 24–48 hours from dust, accidental impacts, water splashes, or other stresses that could compromise the uniformity of the final result. Any protective products or additional finishes should be applied only after the coating is completely dry.

Product storage

Store the components in their tightly closed original containers in a cool, dry place, away from frost, direct sunlight, and heat sources. The recommended storage temperature is between +5°C and +35°C. In low temperatures, it is recommended to bring the product back to a temperature of approximately 20–25°C before use, to improve workability.

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