



TECHNICAL DATA CEMENTO 3D

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Description Rock Cement©:

Cemento 3D can be applied on internal and external vertical surfaces with a thickness of over six centimeters in a single body, so as to obtain the Cemento Roccia© effect (for further information contact our technical support).

Field of application:

Cemento 3D is the ideal solution for those who don't like joints because it allows you to create continuous surfaces, internal and external, without joints. Its extraordinary characteristics make it ideal for both horizontal and vertical surfaces, such as new or existing floors, plasterboard or masonry walls, bathrooms, shower cubicles, tables and kitchen tops, to give space to your ideas without interruptions and in just three millimeters thick.

Preparation of Beton KA+KB primer:

The package consists of 2 pieces, 12 kg Beton KA in powder and Beton KB It 5 liquids, pour 3.5/4 liters of Beton KB into a clean bucket, add Beton KA in small doses and mix thoroughly for about five minutes using a mechanical mixer, the primer is now ready to apply. In the case of colored floors or coverings, it is advisable to also color the primer. The yield of the primer is 10 m² in a single layer and has a pot-life of 3 hours from the mix.

Application of Beton KA+KB primer:

Make sure that the substrates are well anchored and free from oil and grease, proceed with the application of the primer in a single layer using a 3 mm notched stainless steel trowel, apply the primer for approximately 1 m² and immediately smooth the treated surface with the smooth side of the trowel in order to level the product and make it uniform, continue with the same procedure for the entire surface.

Warnings:

- Cement screed floors and walls must have been cured for at least 30 days,
- Floors and walls with cracks, traces and cracks previously restored due to the passage of water pipes, for heating, etc., it is essential to spread the 70/80 g/m² fiberglass mesh over the entire surface before applying the primer treat and leave to dry for 24 hours, in this case the yield of Beton KA+KB primer is 7/8 m² per pack.

Cemento 3D Preparation:

The package consists of 20 kg of Cemento 3D in powder, pour 5/6 liters of drinking water into a clean bucket

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and pour the colourant, mix everything to dissolve the colourant itself, add the Cemento 3D in small doses and mix thoroughly for about five minutes using a mechanical mixer until you obtain a homogeneous paste free of lumps, the Cemento 3D is now ready to be applied. The yield of Cemento 3D is approximately 16 m² in two layers (spatula effect), and has a pot-life of approximately 6 hours from the mix.

Application of Cemento 3D:

Using a stainless-steel trowel or a plastic spatula, spread a first layer of Cemento 3D evenly over the entire surface, taking care to smooth the product well so as not to leave imperfections or joints. After 24 hours and before starting to spread the Cemento 3D it is advisable to check that there are no lumps or impurities on the surface, in which case proceed to clean the entire surface using a vacuum cleaner. It is very important to take some precautions before and during the application of the Cemento 3D, for example, protect your shoes with special protections, do not drag the bucket or smoke during installation, if these simple precautions are not observed there is a risk of compromise the result of the work. Proceed with mixing the Cemento 3D as before and apply a second layer for about 1 m² and immediately after smooth the treated surface to make it smooth and flat, continue with the same procedure for the entire surface, once the work is finished leave to dry for at least 24h.

Important note:

The formulation of the Cemento 3D is composed of selected and valuable raw materials, some of these are of natural origin and may have small gray impurities due to the formation of so-called calcareous veins which are found inside the rock, if in the should gray lumps appear during the application, remove them using a damp sponge and reapply the product again, in general these cases are very rare, however, we recommend contacting our technical support.

Preparation of the Decor Finish:

Decor Finish is ready to use, do not add water or dyes, after having shaken the product well, pour it into a clean bucket, the yield of Decor Finish is approximately 10 m² in three layers.

Application of the Decor Finish as per certification:

For correct application, the use of a short-haired Mohair roller is essential; proceed with the drafting of the first layer of Decor Finish evenly over the entire surface, taking care to spread the product well and go over it several times until total absorption, the application must be done following crossed movements and no excess product should be left, thus we will obtain a compact and uniform surface (the first layer of Decor Finish has a primary role for the perfect result of the job and for the permeability to water), leave the product to dry for at least 12h;

Check that there are no lumps or impurities on the surface, if so proceed with cleaning using a vacuum cleaner. (it is essential that the surface is perfectly clean before proceeding with the second layer), spread a second layer of Decor Finish evenly over the entire surface, taking care to distribute the product well and go over it several times and not to leave any product excess;

The drying times for each layer are greatly influenced by the temperature and ventilation during drying and could make it necessary to lengthen the drying times themselves, in case of insufficient compliance with the drying times, the applied product could wrinkle, crack, form streaks or lift off the stand.

Warnings:

Drying time for walking on it and using water after applying the last layer of Decor Finish is approximately 10 days, the times can be extended based on the ambient humidity and the seasonal period of application (seven days at 25°C, ten days at 12°C, apply at least 4°C above the dew point);

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Do not cover the surface during the seven days of maturation, do not place heavy objects such as furniture, sofas, tables, vases with plants, etc. on top of it, encourage the exchange of air during drying. In the case of outdoor application on Cemento 3D floors, the optimal slope of the treated surface must be taken into consideration so as to allow the water to flow away so as not to create stagnation in the long term; Decor Finish decorates and protects continuous surfaces but does not make them indestructible and eternal. Do not apply the product in the presence of damp in counterthrust, the duration over time depends mainly on the thickness applied and the type and intensity of wear to which the substrate is subjected. To maintain the attractive appearance we recommend regular cleaning and care of the surface.

Technical data:

Appearance: Powder

Colour: White or can be colored using Toner and/or our **Color tinting system 3.0**

Dilution: 6 liters of drinking water based on the type of processing chosen

Dough pH: 12-14

Yield with two layers: 16 m² (spatula effect)

Apparent density: 1.20 kg/L

Apparent density of the mix: 1.45 kg/L

Slip: Method DIN 51097 Class A $19^\circ \leq \alpha < 27^\circ$ - Anti-slip (DIN 51130): R11 - Environments for the production of foodstuffs, kitchens of catering establishments, work environments with a strong presence of water and mud, clinics, laboratories, laundries, hangars;

Thermal resistance - Operating temperature: $-30^\circ\text{C} \div +90^\circ\text{C}$

Fire reaction Euroclass: (EN 13501) Class A1

Storage in tightly closed original packaging and in a dry place between $+5^\circ\text{C} \div +30^\circ\text{C}$.

Packaging: 10 kg and 20 kg buckets

Duration of the mix: (*) workable for 6h

Application temperature: (*) $+5^\circ\text{C} \div +30^\circ\text{C}$

Cod. UFI Cemento 3D: NC00-Y08C-J00G-9N29

Cod. UFI Beton KA: 0800-F0JY-8000-N9G7

(*) The times expressed are longer or shorter as the temperature decreases or increases. In accordance with the general principles - Principles of evaluation of use of products and systems.

Test conditions: temperature $23 \pm 2^\circ\text{C}$, $50 \pm 5\%$ R.H. and air speed in the test area < 0.2 m/s. The data expressed may vary according to the specific site conditions: temperature, humidity, ventilation, absorbency of the substrate.

Precautions:

- Do not use on metal, rubber, vinyl, linoleum or PVC surfaces.
- In unfavorable environmental conditions such as; high temperatures and wind the time of use can be very short, with these climatic conditions it is not recommended to use it outdoors.
- Do not use the product at temperatures below $+5^\circ\text{C}$ and above $+30^\circ\text{C}$.
- After laying, protect the coverings from imminent rain, frost and high temperatures for at least 24 hours.
- Wet substrates can slow down the hardening of the product and weaken the application cycle.
- Do not expose the products to direct sunlight or rain.
- Store the products in a dry place in the original closed packaging.

Products knowledge:

Even if our application cycle provides for a single anchoring primer, it is also true that faced with some types of substrates such as screeds, parquet, wood, etc., ground floor houses, substrates subject to rising damp, etc., it

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is necessary to have the optimal knowledge to be able to create a solid and effective structure that lasts over time. Primer is the fundamental basis of the entire application process.

Blend, colors and perfect application:

It is always assumed that the pigments, coloring pastes or toners for coloring the products are the same. Behind each color proposed by the manufacturer there are various studies and very strict laboratory tests and it is precisely for this reason that you must first of all know the mixing of the dyes and that of the product itself.

Perfect success of the work:

One of the main factors for the success of a floor is not being superficial in the evaluation of the laying surfaces which affect the success of a continuous surface, the layout, the application times and the cleanliness of the rooms is essential for the perfect success of a Cemento 3D floor or wall covering.

Maintenance:

Let's start by saying that any type of surface is not eternal! There are some initial precautions that can prove very useful in keeping a continuous Cemento 3D surface in good condition:

Provide a doormat at the entrance to the house that can trap dust, sand and abrasive particles.

Sweep or vacuum regularly. Use felt protectors under furniture, especially under furniture that moves often such as chairs. If it is necessary to move heavy furniture, it is advisable to place woolen cloths under the feet or the base of the furniture to avoid unsightly scratches. The cleaning of the continuous surfaces in Cemento 3D is very simple; simply pass a cloth moistened with water and alcohol on the surface to be cleaned.

Even if the transparent finishing treatment protects the floor from the rapid penetration of accidentally spilled liquids, it should be remembered that all liquid substances, especially those most used in the home, must be removed quickly before they can create unsightly halos. For extraordinary maintenance and restoration, the intervention of specialized personnel is essential.

N.B. For greater resistance to chemical agents, foot traffic and wear, we recommend the application of VetroLiquido PRP (see technical data sheet).

The use of coloring pastes not supplied by Nikkolor Italia can compromise not only the aesthetic aspect but above all can significantly alter the performance of the product itself.

The data contained in these technical sheets refer to laboratory tests. The indicated indications and methods may be subject to changes over time according to possible improvements in production technologies. The application of the products takes place beyond our control as we cannot directly intervene on the conditions of the construction sites and on the execution of the works. All indications are of a general nature, they do not bind our company in any way and therefore the responsibility falls exclusively on the customer. A preventive test of the product is recommended in order to verify its suitability for the intended use. Our technical service is available to provide additional information.