



TECHNICAL DATA CEMENTO 3D

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Product description:

3D Cement is a new generation structured nanocement, premixed in powder form composed of quartz sand and selected marble powders, minerals, nano resins and special additives which allow excellent adhesion on all normal substrates. The complete 3D Cement cycle is certified.

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, plasterboard or masonry walls, bathrooms, shower cubicles, tables and kitchen tops, to give space to your ideas without interruptions and in just three millimeters of thickness.

Field of application:

Its extraordinary characteristics in terms of performance and breathability make it ideal for:

- plasterboard walls
- masonry
- ceilings
- bathrooms
- kitchens
- lounges
- commercial environments
- hotels
- villas
- residences

Preparation and application of Primer NK:

- The supports to be treated must be clean and free of detached or damaged areas;
- Apply Primer NK using a roller and brush;
- The product is ready for use;
- On porous and/or plasterboard supports, it is necessary to dilute the Primer NK with drinking water at 20% for the first layer. After six hours, proceed with the application of the second layer without diluting the product.

Preparation of 3D Cement:

- For 20 kg of product you need to pour 6 liters of drinking water into a clean bucket;
- Add the desired quantity of dye toner and mix to dissolve the dye;

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- Add the 3D Cement in small doses and mix carefully using a mechanical mixer until a homogeneous, lump-free paste is obtained; the 3D Cement is now ready to be applied;
- The yield of 3D Cement is approximately 16 m² in two layers;
- Consume the mixed product within six hours.

Application of 3D Cement:

- Spread a first layer of 3D Cement using a stainless steel trowel evenly over the entire surface and leave to dry for at least 12 hours;
- Apply a second layer of 3D Cement for approximately 3/4 m², go back and smooth the surface to make it smooth and flat by tilting the stainless steel trowel;
- Continue with the same procedure on the entire surface to be decorated, once the work is completed, leave to dry for at least 12 hours.

Preparation and application of ProteKto EcoSilan:

- The product is ready for use;
- Apply ProteKto EcoSilan using a synthetic brush, performing crisscross, transverse, horizontal and vertical movements so as to allow the product to penetrate deeply into the support, leave to dry for 12 hours;
- If you want to apply a second layer of ProteKto EcoSilan, it must be done within 24 hours of applying the first layer and not before 12 hours;
- the choice to apply a second layer of ProteKto EcoSilan depends on the use and the environment where the 3D Cement will be applied and remains a judgment of the installer.

Important note:

- The 3D Cement Formulation is made up of selected and valuable raw materials, some of which are of natural origin and may have small gray impurities due to the formation of so-called calcareous veins found inside the rock;
- If gray lumps appear during the application phase, they must be eliminated using a damp sponge and reapplying the product again, in general these cases are very rare;
- For any clarification we recommend contacting our technical support.
- For application on floors, showers, kitchen splash guards, etc., we recommend using Decor Finish and/or Vetroliquido PRP as a protection layer (see technical data sheets).

Technical data:

- Appearance: Powder
- Color: White or can be colored using Toner and Color tinting system 3.0
- Dilution: 6 liters of drinking water in 20 kg of product based on the type of processing chosen
- Mixture pH: 12-14
- Two-layer coverage: 16 m² (trowelled effect)
- Apparent density: 1.20 kg/L
- Apparent density of the mix: 1.45 kg/L
- Slip: DIN 51097 Class A method 19° ≤ α < 27° - Anti-slip (DIN 51130): R11 - Environments for the production of food, kitchens of catering establishments, work environments with a strong presence of water and mud, clinics, laboratories, laundries, hangars;
- Thermal resistance - Operating temperature: -30°C ÷ +90°C
- Euroclass reaction to fire: (EN 13501) Class A1
- Storage in original, well-closed packaging and in a dry place between +5°C ÷ +30°C.
- Packaging: 20 kg
- Duration of the mix: (*) workable for 6 hours

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- Application temperature: (*) $+5^{\circ}\text{C} \div +30^{\circ}\text{C}$
- UFI Cemento 3D code: NC00-Y08C-J00G-9N29
- UFI Primer Beton code: 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 the 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 $< 0.2 \text{ m/s}$. The data expressed may vary depending on the specific construction site conditions: temperature, humidity, ventilation, absorbency of the substrate.

Precautions:

- Do not use on metal, rubber, vinyl, linoleum or PVC surfaces.
- In adverse environmental conditions such as; high temperatures and wind can result in very short usage times. In these climatic conditions, outdoor use is not recommended.
- Do not use the product at temperatures lower than $+5^{\circ}\text{C}$ or higher than $+30^{\circ}\text{C}$.
- Protect the coverings from imminent rain, frost and high temperatures for at least 24 hours after installation.
- Damp supports can slow down the hardening of the product and weaken the application cycle.
- Do not expose the products to the sun or direct rain.
- Store the products in a dry place in the original closed packaging.

Product Knowledge:

Even if our application cycle includes only one anchoring primer, it is also true that when faced with certain types of supports such as screeds, parquet, wood, etc., homes on the ground floor, supports subject to rising damp, etc., it is necessary to have the optimal knowledge to be able to create a solid and effective structure that lasts over time. The Primer is the fundamental basis of the entire application process.

Perfect mix, colors and application:

It is always assumed that the pigments, coloring pastes or toners for coloring the products are the same. Behind every color proposed by the manufacturing company there are various very rigid studies and laboratory tests and it is precisely for this reason that we must first 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 to be superficial in the evaluation of the installation plans which jeopardize the success of a continuous surface, the laying, the application times and the cleaning of the rooms are essential for the perfect success of a 3D concrete floor or covering.

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

The indications and methods reported may be subject to additions and/or changes over time by Nikkolor Italia s.r.l.; for any such updates, you can consult the website www.nikkolor.net. Nikkolor Italia s.r.l. is therefore responsible for the validity, currency and updating of its information only if extrapolated directly from its site. The technical data sheet is drawn up based on our best technical and application knowledge. However, as we cannot directly intervene on the conditions of the construction sites and the execution of the works, they represent indications of a general nature which do not bind our Company in any way. We therefore recommend a preventive test in order to verify the suitability of the product for the intended use.

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