



## TECHNICAL DATA CEMENTO 3D

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### Product description:

NEW CEMENTO 3D is a new generation structured nanocement, premixed powder composed of selected quartz sands and marble powders, minerals, nano resins and special additives that allow excellent adhesion on all normal substrates. The complete CEMENTO 3D cycle is certified.

### Field of application:

CEMENTO 3D is the ideal solution for those who do not like joints because it allows the creation of 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 stalls, tables and kitchen tops, to give space to your ideas without interruptions and in just three millimeters. thick, easy to clean and quick to make. It is suitable for application on uneven substrates with a difference in thickness, on smooth prefabricated concrete supports and heated floors.

### Substrate preparation:

CEMENTO 3D can be applied on all traditional substrates as long as they are flat, solid and free from incoherent parts, greases, oils, dust and dirt in general.

### Dough preparation:

CEMENTO 3D is mixed with drinking water (1 kg of CEMENTO 3D + 300 ml of water) using a mechanical stirrer until a homogeneous and lump-free paste is obtained. The mixture remains workable for about six hours depending on the climatic conditions. We recommend the preparation of CEMENTO 3D as follows:

- First layer of CEMENTO 3D, mix 20 kg of powder in 6 liters of drinking water
- Second and last layer of CEMENTO 3D, mix 20 kg of powder in 6 liters of drinking water

### Application:

After having mixed and colored the CEMENTO 3D, apply a first layer using a 3 mm stainless steel trowel and immediately smooth the treated surface, once it has dried after 12 hours proceed with the second coat of CEMENTO 3D using a stainless-steel trowel and let it dry for at least 6/8 hours, proceed with the third and last coat as before. Allow the surface to dry for at least 24 hours and proceed with the transparent semi-gloss and/or opaque finish of Decor Finish (it is advisable to consult the construction book for the correct installation of all the steps).

### Important note:

Wait at least seven days from the last layer of Decor Finish before using the treated surfaces.

### Warnings:

• Do not use on metal, rubber, vinyl, wood, linoleum, or PVC surfaces. • In unfavorable environmental conditions (high temperatures, wind) the open time can be very reduced. • Do not use the product at temperatures below +5°C and above +35°C. Protect the coatings after laying against imminent rain, frost, and

high temperatures for at least 24 hours. • In case of high temperature do not apply CEMENTO 3D on large surfaces, especially outdoors. • Damp substrates can slow the hardening of the product. • Clean tools with water and surfaces coated with a damp cloth immediately after laying. • Do not expose the material to the sun in hot weather. • Store in a dry place in the original unopened packaging and protect from frost or high temperatures. • The Cemento 3D formulation is composed of selected and valuable raw materials, some of these raw materials are of natural origin such as and may have small gray impurities due to the formation of so-called limestone veins that form inside the rock, if during the application phase gray lumps appear, you must remove them using a damp sponge and reapply the product, in general these cases are very rare, however, we recommend contacting our technical support.

## Technical data:

Appearance: Powder

Color: White or colorable with Toner and/or our **Color tinting system 3.0**

Dilution: 6 liters of drinking water according to the type of processing chosen

Dough pH: 12-14

Coverage in two layers: 16 m<sup>2</sup> (spatula effect)

Apparent density: 1.20 kg / L

Apparent density of the dough: 1.45 kg / L

Slip: Method DIN 51097 Class A 12°C ≤ a <18°C - Non-slip (DIN 51130): R11

Thermal resistance - Operating temperature: -30°C ÷ + 90°C

Fire reaction Euroclass: (EN 13501) Class A1

Storage in well-closed original packaging and in a dry place between + 5°C and + 30°C.

Packaging: 20 kg buckets

Workable mix duration: (\*) 6 hours

Application temperature: (\*) + 5°C ÷ + 35°C

Drying time of the first layer: (\*) 12 hours depending on the ambient temperature and humidity

Drying time of the second layer: (\*) 6/8 hours depending on the ambient temperature and humidity

Drying time before applying Decor Finish: (\*) 24 hours depending on the ambient temperature and humidity

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(\*) The times expressed are longer or shorter with a decrease or increase in temperature. In accordance with the general principles - Principles of evaluation of the use of products and systems.

Test conditions: temperature 23 ± 2°C, 50 ± 5% U.R. and air speed in the test area <0.2 m/s. The data expressed may vary according to specific site conditions: temperature, humidity, ventilation, absorbency of the bottom.

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

- *The data contained may vary at any time without prior notice by Nikkolor Italia.*
- *The information contained in these technical data sheets are the result of our best knowledge and, as such, are disclosed for information purposes, therefore it does not engage the responsibility of our Company towards any disputes arising from conditions of use beyond our control, who intends to use it is required to establish whether the product is suitable for use.*
- *Our warranty obligation is therefore limited to the quality and constancy of the same in relation to the finished product, and exclusively for the data reported above.*
- **For more detailed information, please contact our TECHNICAL ASSISTANCE service.**