

NIKKOLOR<sup>®</sup>  
diamo forma al futuro

**CEMENTO<sup>®</sup>**  
PAVIMENTI E  
RIVESTIMENTI **3D**

MADE IN ITALY





## Worksite notebook



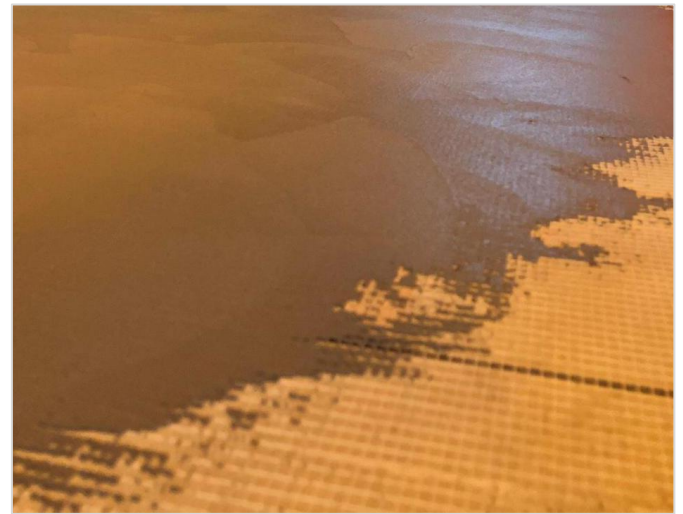
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*Beton ka/kb*

BETON KA+KB is a mortar based on carbonate aggregates and quartz sands with controlled grain size, powdered polymeric binders, specific additives and short synthetic fibers. The simultaneous presence of mineral and polymeric binders, inorganic fillers and reinforcing fibers develops a positive synergy that increases the mechanical properties of the product.



#### **Technical data:**

Appearance: Powder;

White color;

Solid residue: 100%;

Grain size G.F. : Max 0.5 mm;

Mineralogical nature of the aggregate: Silicon/carbonate;

Consistency: Thixotropic;

Density of the mix: 1500 Kg/m<sup>3</sup>;

Duration of the mix: About 3 hours depending on the period and relative humidity;

Waiting time before finishing CEMENT 3D: Min. 24 hours;

Coverage: ~ 10 m<sup>2</sup> with a thickness of about 2 mm in a single coat, using the glass fiber mesh greater than 70/80 gr/m<sup>2</sup> the coverage can be reduced by up to 30%;

Packaging: Comp. KA of Kg. 12 + Comp. KB of It 5

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

#### **Features of implementation:**

Temperature of use: +5 max 35°C;

Recommended application for indoors and outdoors;

Apply on dry and clean substrates; Cover windows, doors, etc.;

Do not apply on wet or frozen substrates or on restorations that are still damp;

Store in a cool, dry place away from the sun;

Do not apply in the presence of beating sun, strong wind or rain;

In the case of surfaces that are too hot due to the effect of the sun's rays, it is advisable to moisten them with water;

Wait for the curing of the cementitious smoothing before decorating;

It is important that during application and in the following 24 hours the temperature does not drop below +5°C and the relative humidity does not exceed 80%;

N.B. In some cases the quantity of Beton KB is higher than the standard consumption for mixing with Beton KA, it is advisable to consult our technical service before starting work.



**CEMENTO**  
PAVIMENTI E  
RIVESTIMENTI **3D**

Cemento 3D is a new generation structured nanocement, premixed in powder form composed of selected quartz sands and marble powders, minerals, nano resins and special additives.

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 that last over time.

The complete Cemento 3D cycle described here is certified.

### Blend, colors and perfect application:

it is always assumed that the pigments, coloring pastes or toners used to color 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 it is necessary to know first of all the mixing of the dyes and that of the product itself.



### **Preparation of the Cemento 3D:**

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 on screed:**

On an existing screed floor or covering that has been cured for at least 28 days, it is advisable to make sure that there are no cracks, proceed with the spreading of Beton KA+KB using a 3mm stainless steel trowel and with the product still fresh lay over the mesh in glass fiber of 70/80 gr/m<sup>2</sup> and immediately smooth the treated surface with the smooth side of the trowel in order to level the product and down the net inside the still fresh mixture and make the surface uniform, continue with the same procedure for the whole surface. After having mixed and colored the CEMENTO 3D, apply a first layer using a stainless steel trowel and immediately after smoothing the treated surface, once it has dried after 6/8 hours proceed with the second coat of CEMENTO 3D using a stainless steel trowel and let it dry for at least 24 hours and proceed with the semi-gloss and/or matt transparent finish of Decor Finish.

### **Application on tiles:**

On a floor or wall with old tiles it is advisable to make sure that they are well anchored and free from oils and greases, proceed with the spreading of Beton KA+KB using a 3 mm stainless steel trowel and with the product still fresh smooth the surface treated with the smooth side of the trowel in order to level the product, continue with the same procedure for the entire surface. After having mixed and colored the CEMENTO 3D, apply a first layer using a stainless steel trowel and immediately after smoothing the treated surface, once it has dried after 6/8 hours proceed with the second coat of CEMENTO 3D using a stainless steel trowel and let it dry for at least 24 hours and proceed with the semi-gloss and/or matt transparent finish of Decor Finish.

### **Application on tiles with traces and restorations:**

On a floor or wall with old tiles where there are traces and previously restored grooves for the passage of water pipes, for heating, etc., proceed with the laying of a 70/80 gr/m<sup>2</sup> fiberglass mesh over the entire surface to be treated, apply a single layer of Beton KA+KB on the mesh using a stainless steel trowel. It is recommended to add 4.5 liters of KB to Beton KA so that it penetrates inside the network and anchors itself on the existing tile, continuing with the same procedure for the entire surface. After having mixed and colored the CEMENTO 3D, apply a first layer using a stainless steel trowel and immediately after smoothing the treated surface, once it has dried after 6/8 hours proceed with the second coat of CEMENTO 3D using a stainless steel trowel and let it dry for at least 24 hours and proceed with the semi-gloss and/or matt transparent finish of Decor Finish.

### **Important note:**

Drying time to walk on it and use water after applying the Decor Finish protective finish, wait at least seven days from the last layer.

**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 short.
- Do not use the product at temperatures below +5°C and above +35°C. Protect the coverings after installation from imminent rain, frost and high temperatures for at least 24 hours.
- In the case of high temperatures, do not apply CEMENTO 3D on large surfaces, especially outdoors.
- Moist supports can slow down the hardening of the product.
- Clean the tools with water and the coated surfaces with a damp cloth immediately after installation.
- Do not expose the material to the sun in hot weather.
- Store in a dry place in the original closed packaging and protect from frost or high temperatures.

**Technical data:**

Appearance: Powder

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

Dilution: 5/6 liters of drinking water according to the type of processing chosen

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

Dough pH: 12-14

Workable mix duration: (\*) 6 hours

Apparent density: 1.20 kg/L

Apparent density of the dough: 1.45 kg/L

Application temperature: +5°C ÷ +35°C

Drying time of the first layer: 24 hours

Drying time of the second layer: 24 hours

Drying time for applying Decor Finish and/or VL3D Liquid glass: 48 hours

Slip: Method DIN 51097 Class A  $12^\circ \leq \alpha < 18^\circ$  - 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

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.

(\*) 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.

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.



*Decor finish*



**Description Décor Finish:**

Water-based, single-component, semi-gloss, opaque and non-slip, waterproof and drive-over, water-based, transparent nanostructured polyacrylic paint, designed for the protection and decoration of floors and walls for shops, warehouses, hospitals, bars, restaurants, mechanical, pharmaceutical and food industries, private homes, pool edges, shower stalls, kitchen tops, furnishing accessories etc...

**Perfect success of the works:**

one of the main factors for the success of a floor is not to be superficial in the evaluation of the laying surfaces that compromise the success of a continuous surface, the drafting, application times and cleaning of the environment is essential for the perfect success of a 3D concrete floor or wall covering.

**Preparation of the Decor Finish:**

Decor Finish is ready to use, do not add water or dyes. After shaking the product well, pour it into a clean bucket.

**Application method of Decor Finish:**

For the correct application of the Decor Finish it is essential to use a Mohair 04 roller, spread a first layer of Decor Finish evenly over the entire surface, taking care to spread the product well and go over it several times until completely absorbed. The application must be made following crossed movements and no excess product should be left, so we will obtain a compact and uniform surface (the first layer of Decor Finish has a primary role for the perfect result of the work and for the permeability to water). After 12 hours and before starting the application of the second layer of Decor Finish it is advisable to check that there are no lumps or impurities on the surface, in this case 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 the product in excess. After 12 hours from the second layer of Decor Finish and before starting the application of the third layer it is important to respect all the steps that have been made for the second layer. The drying times for each layer are significantly influenced by the temperature and ventilation during drying and may make it necessary to extend the drying times themselves. In case of insufficient respect of the drying times, the applied product could wrinkle, crack, form strips or lift from the support.

**Important note:**

We do not recommend applying opaque Decor Finish directly on Cemento 3D in natural white or light shades. The opaque version of Decor Finish contains a straw-colored opacifying paste and would alter the natural white of the surface, creating unsightly yellowish halos.

**What to do?**

Apply a layer of Decor Finish Semigloss and proceed with two more coats of Decor Finish opaque.

The information contained herein is the result of our best knowledge and, as such, is disclosed for information purposes, therefore it does not undertake the responsibility of our Company towards any disputes arising from conditions of use that are beyond our control, for any clarification we recommend before carrying out the work, contact our technical support.

**Important note:**

Drying time to walk on it and use water after applying the last coat is 7/10 days, the times can be lengthened according to the environmental humidity and the seasonal period of application (seven days at 30°C, ten days at 10°C, apply at least 4°C above the dew point), do not cover the surface during the seven days of curing, do not place heavy objects such as furniture, sofas, tables, pots with plants etc..., during drying, favor the exchange of air. In the case of outdoor application on Cemento 3D and/or MarmUra floors, the optimal slope of the treated surface must be taken into consideration so as to allow the water to flow out so as not to create long-term stagnation of water, Decor Finish decorates and protects continuous surfaces but does not make them indestructible and eternal.

**Features:**

- Excellent surface finish
- Waterproof and dustproof
- Easily washable
- Resistant to abrasion
- Drive-over,
- Resistant to moderate forklift traffic
- Consolidating
- Free from organic solvents
- Applicable indoors, odorless
- Versatile product, adheres to any surface
- Resists to thermal changes
- Requires minimal maintenance even after years
- Easy application
- The product is formulated with low environmental impact.

**Technical data:**

Practical coverage: 10 m<sup>2</sup> per Lt 2.5 in two coats, variable according to the roughness and absorption of the substrate.

Specific gravity 1.0 ± 0.05 at 20°C.

Color: Transparent whitish for the semi-gloss version, transparent straw-yellow for the opaque version.

Temperature resistance: Operating temperature up to 70°C

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

Slip: Method DIN 51097 Class A  $12^\circ \leq \alpha < 18^\circ$  - Non-slip (DIN 51130): R11 (Decor Finish AS)

Packaging: Lt 2,5 and Lt 0,750

**Safety (for EEC regulations):**

The product is not flammable or dangerous

**Symbols:**

Not subject, the product does not require labeling pursuant to Legislative Decree N° 65 of 14/03/2003 and subsequent amendments and updates.

**Information notes:**

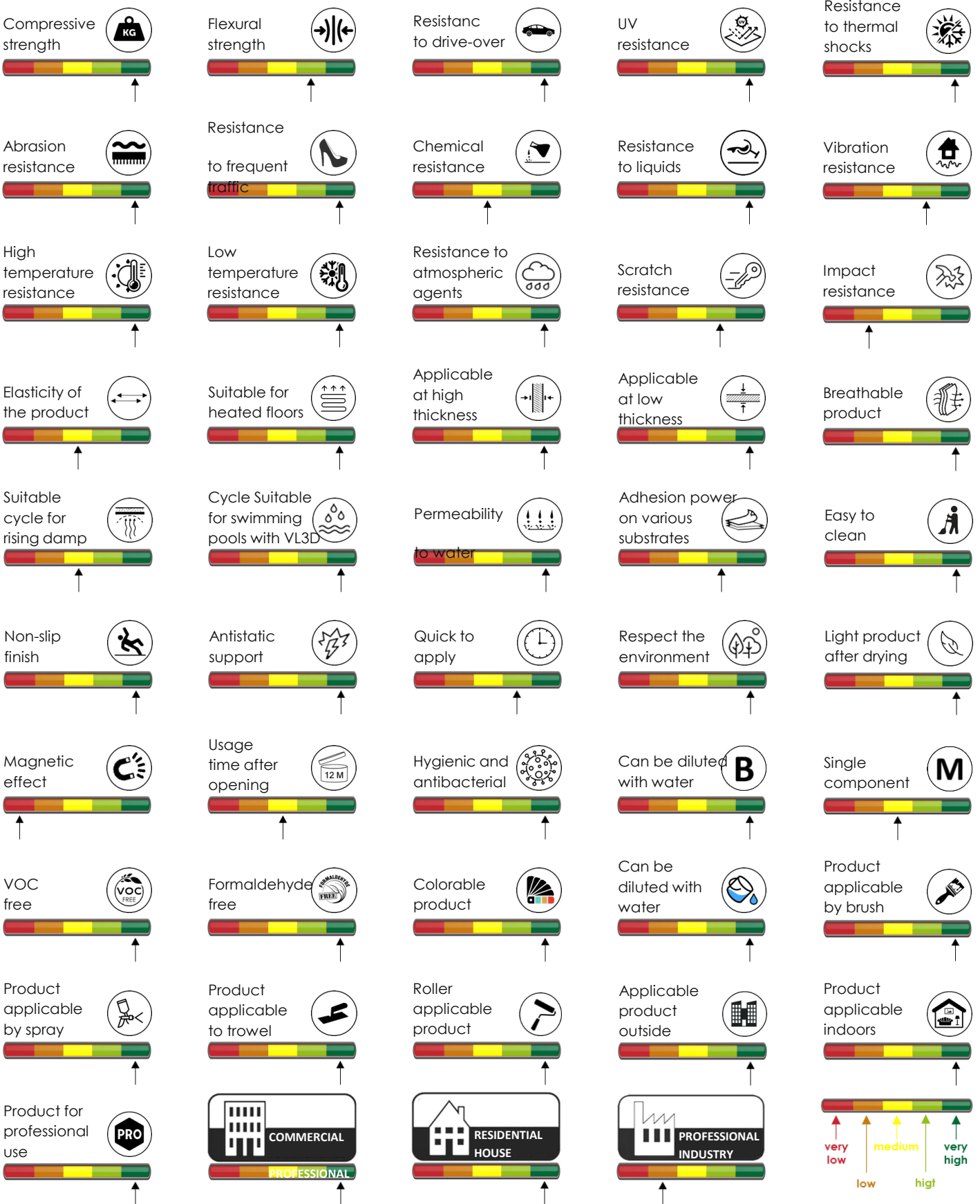
Notes: Do not apply the product in case of counterthrust humidity. The duration over time depends mainly on the thickness applied and on the type and intensity of wear to which the substrate is subjected. To maintain the pleasant appearance, we recommend regular cleaning and care of the surface.

VOC classification: (Legislative Decree 27 March 2006 n° 161):

High performance one-component paints. EU limit value of VOC for DECOR FINISH AS (cat.i/BA): 140 g/L. DECOR FINISH AS contains max 140 g/L of VOC.

# Cemento 3D

## Information graphic





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