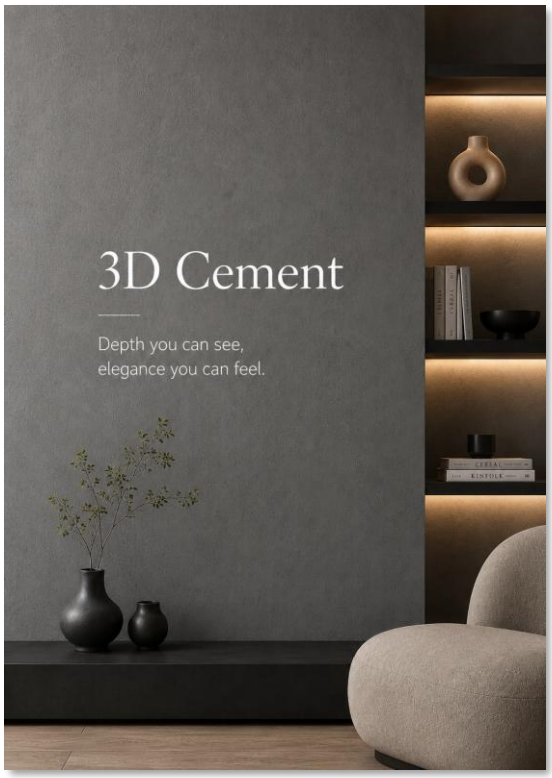
CEMENTO 3D

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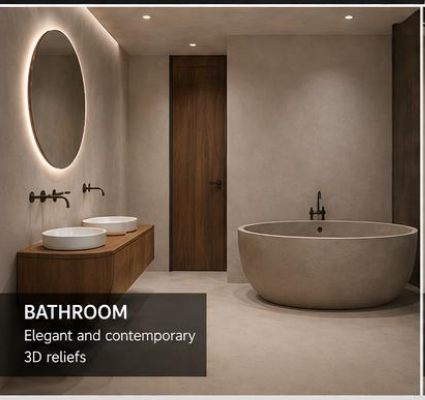
CEMENTO 3D

THREE-DIMENSIONAL
DECORATIVE COATING

DEEP MATERIAL EFFECT.
PERSONALITY IN RELIEF.

- REALISTIC 3D EFFECT
- EXCLUSIVE DESIGN
- APPLICABLE ON EXISTING SURFACES
- HIGH RESISTANCE AND DURABILITY











- HIGH ADHESION ON EXISTING SURFACES
- WATER RESISTANCE WITH COMPLETE SYSTEM
- HIGH MECHANICAL STRENGTH
- SLIP RESISTANCE CLASS R11
- HIGH QUALITY RAW MATERIALS

NIKKOLOR ITALIA®

www.nikkolor.net

CEMENTO 3D

DESCRIPTION
Cemento 3D is a next-generation structured nanocement, a premixed powder composed of selected quartz sands and marble powders, minerals, nanoresins, and special additives that provide excellent adhesion to all common substrates, resistant to mold, algae, and bacteria, and, in particular, an extraordinary ability to resist the spread of flames and the development of smoke. The complete Cemento 3D cycle is certified.

FIELDS OF USE
✓ Ideal for covering floors, walls, and ceilings, both indoors and outdoors
✓ public and private spaces
✓ shopping centers, shops, bars, villas, residences
✓ swimming pools, balconies, terraces, bathrooms, shower stalls, saunas
✓ kitchens, furniture, and furnishings

The unique feature of the total absence of joints allows for seamless solutions between the floor and the wall, all of which satisfies the furnishing needs of modern and contemporary architecture.

MAIN FEATURES
✓ Realistic and natural look of nanocement
✓ Seamless, seamless surface
✓ Highly resistant and durable
✓ Can be used on interior and exterior walls, furniture, and decorative panels

PREPARATION, COLORING AND MIXING
✓ The composition is 6 liters of drinking water in 20 kg of Cemento 3D
1. Add water to a clean bucket and pour in the chosen color toner, stirring well.
2. Add the Cemento 3D in small doses and mix thoroughly using a mechanical mixer until a smooth, lump-free paste is obtained.

PREPARATION AND APPLICATION
✓ Substrates must be dry and free of dust, paint, wax, oil, and loose particles.
1. Apply a single coat of Primer Beton using a stainless steel trowel, evenly and evenly, and let dry for 24 hours (+20°C).
2. Apply two coats of Cemento 3D using a stainless steel trowel. Let the first coat dry for 12 hours before applying the second, and then let dry for 24 hours (+20°C).
3. Apply three coats of Decor Finish Uniko using a short-haired roller. Wait 24 hours between each coat. After the third and final coat, let dry for 72 hours (+20°C).

NOTE – HIGH-PERFORMANCE PROTECTIVE SYSTEM
In particularly severe operating conditions, **such as swimming pools, tubs, surfaces subject to prolonged contact with water, chlorine, or salt water, high-traffic environments, or surfaces exposed to aggressive chemicals**, we recommend using **PRP Glass Protekt** as an **alternative to Decor Finish Uniko**, applied according to the instructions in the relevant Technical Data Sheet.

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OTHER INDICATIONS

- ✓ It is recommended to avoid direct contact with highly aggressive substances, such as strongly acidic or basic substances and strongly oxidizing substances (e.g., hair dyes), which can alter the color of the flooring.
- ✓ Vulcanized plastics with a high plasticizer content (e.g., tires) can mark the floor if left in prolonged contact with the flooring.
- ✓ The photographic images in the catalog and on the website, as well as the colors shown in the samples, are to be considered purely indicative.
- ✓ Use materials from a single production batch for each project.

WARNINGS

- ✓ Product for professional use. Comply with national standards and regulations.
- ✓ Apply when the substrate temperature is above +10°C.
- ✓ Apply to permanently dry substrates.
- ✓ Protect from direct sunlight and drafts for the first 6 hours.
- ✓ Do not apply to dirty or loose surfaces.
- ✓ Dispose of in accordance with applicable regulations.
- ✓ Materials exposed to temperature changes (due to transportation, storage, construction site, etc.) may cause substantial changes to the product (e.g., crystallization, partial hardening, fluidification, accelerated or delayed curing).
- ✓ In most cases, restoring the products to optimal conditions will also restore their original characteristics.
- ✓ Protect surfaces and objects in the application area from accidental contact.
- ✓ If necessary, request the safety data sheet or contact Nikkolor Italia Technical Customer Service at +39 333 861 8963.
- ✓ www.nikkolor.net

TECHNICAL DATA

- ✓ Appearance: Powder
- ✓ Color: White
- ✓ Colors obtainable with toner: 16 shades
- ✓ Dilution: ~300 ml of drinking water per kg of product
- ✓ Mixture pH: 12
- ✓ Coverage: 16 m^2 with two coats
- ✓ Pot Life: 6 hours at +20°C
- ✓ Grain Size: Max 0.3 mm
- ✓ Mineralogical nature of the aggregate: Silicon/carbonate
- ✓ Consistency: Thixotropic
- ✓ Density of the mix: 1,500 kg/m3
- ✓ Apparent density: 1.20 kg/L
- ✓ Apparent density of the mix: 1.50 kg/L
- ✓ Optimal application temperature: (*) +5°C to +30°C
- ✓ Operating temperature and thermal resistance: –30°C to +70°C
- ✓ Surface drying: 3 hours at +20°C
- ✓ Drying time for the second coat: 12 hours at +20°C
- ✓ Drying time for walking: 48 hours at +20°C
- ✓ Full hardening: ~7 days at +20°C

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- ✓ Laying of tables, chairs, and furniture: ~10 days at +20°C
- ✓ Full curing time: 28 days at +20°C
- ✓ Water and UV resistance after application of PRP Glass Protekt: ~7 days
- ✓ Shelf life: 24 months from the date of production in the original, unopened packaging
- ✓ Packaging: 20 kg
- ✓ End use classification (UNI EN 1062.1 – 4.1): Decoration and protection
- ✓ Safety information: Please refer to the latest Safety Data Sheet (SDS) for hazard classification, precautions for use, and personal protective equipment (PPE).

PERFORMANCE CHARACTERISTICS

- ✓ → Flexural strength (UNI EN 13892-2): **5.66 N/mm^2**
- ✓ → Compressive strength (UNI EN 13892-2): **18.01 N/mm^2**
- ✓ → Initial tensile adhesion strength (UNI EN 1348): **1.60 N/mm^2**
- ✓ → Tensile adhesion strength after heat ageing (UNI EN 1348): **1.38 N/mm^2**
- ✓ → Tensile adhesion strength after water immersion (UNI EN 1348): **1.25 N/mm^2**

PERFORMANCE OF THE COMPLETE TESTED SYSTEM*

- ✓ → Bond strength (UNI EN 13892-8): **1.01 MPa**
- ✓ → Impact resistance (UNI EN ISO 6272-1): **specimen surface failure at 3.01 Nm**
- ✓ → Liquid water permeability (UNI EN 1062-3): **w = 0.0001 kg/(m^2·h$^{0·5}$)**

*** System tested by Tecno Prove: BETON KA+KB (primer), 1 coat + CEMENTO 3D, 2 coats + DECOR FINISH, 3 coats.**

Data collected at +20°C, 65% RH, and no ventilation. They may vary depending on specific construction site conditions: temperature, ventilation, and substrate absorbency.

This information may be supplemented and/or modified over time by Nikkolor Italia s.r.l.; for any such updates, please consult the website www.nikkolor.net.

Nikkolor Italia s.r.l. is therefore responsible for the validity, timeliness, and currency of its information only if taken directly from its website.

The technical data sheet is prepared based on our best technical and application knowledge.

However, since we cannot directly influence construction site conditions and the execution of work, it represents general information that does not bind our company in any way.

A preliminary test is therefore recommended to verify the product's suitability for the intended use.

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RULES AND TIPS
Let's start by saying that the success of a floor depends largely on the substrate, the correct application method, and the mixing and installation phases. However, proper cleaning and proper maintenance of the floor is the responsibility of those who live with seamless surfaces. The more it is cared for, the longer the floor will last.

Advantages of Cemento 3D Flooring
The flooring is available in a wide variety of colors and textures, can be matte or satin, smooth or rough, and is highly resistant to wear, trampling, and impact. Furthermore, it stands up well to humid environments, has good fireproofing properties, thus preventing the spread of flames, and is highly resistant to chemicals. The surface is hygienic because it has no joints or seams, and, finally, it is easy to clean and maintain.

Disadvantages of Cemento 3D Flooring
The floor is indeed resistant, but not as much as a ceramic or stoneware floor. It can be repaired rather than completely replaced if the damage affects a very small portion of the surface, and this is also a plus, but in any case, it must be installed by qualified professionals. It is not suitable for DIY.

Using the Cemento 3D Floor
In the first week after applying the complete cycle, it is very important not to clean the floor under any circumstances. Avoid spilling any liquid on the floor that could alter the color, lighten, or even bleach it. Avoid walking on the floor at all costs, as it has not yet reached its maximum hardness and chemical resistance.

Cleaning the Cemento 3D Floor
Start cleaning the floor by removing dust and dirt using a soft-bristled broom or a vacuum cleaner, gently sweeping the surface. Be sure to cover the entire floor, including hard-to-reach areas such as corners. Mopping the floor without sweeping away dust and dirt can damage the surface layer over time, leaving it looking dirty even after thoroughly mopping.

Helpful tips for cleaning Cemento 3D flooring
Prepare a solution of warm water and neutral soap following the manufacturer's instructions. Using a microfiber cloth, thoroughly clean the entire surface. Be sure not to overuse the detergent, as too much could leave residue on the floor. Neutral products are the best choice for interiors and home environments; they're simple, economical, and extremely effective.

Helpful tips on how to treat Cemento 3D flooring
- ✓ Use a doormat outside the door
- ✓ Use non-absorbent mats under the sink and washbasin
- ✓ Use cotton or natural fiber mats; those made of rubber or synthetic fibers may release oil and stain the surface
- ✓ Place shock-absorbent felt pads under the legs of chairs, tables, desks, and furniture
- ✓ Use silicone rubber casters for office chairs

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- ✓ Clean up any spilled liquids immediately; if left to settle, they could damage the floor's surface protection.
- ✓ Be extremely careful not to spill anything on the surface, such as oils, perfumes, creams, greases, fillers, mortars, and paints, which could permanently damage the floor.
- ✓ Do not leave damp cloths on the floor.
- ✓ Do not use abrasive or aggressive products such as wire brushes, sandpaper, hydrochloric acid, acetone, or ammonia, as their corrosive properties could damage the floor.
- ✓ Be extremely careful when assembling furniture (in any case, it is recommended to let the surface fully cure) and do not place objects on the floor. In fact, improperly curing the floor will result in unsightly stains appearing even after several days.
- ✓ Do not drag any objects across the floor.
- ✓ Walk only with clean shoes.
- ✓ Avoid standing water and direct contact with moisture.
- ✓ Knowledge of the substrates and their suitability for the correct installation method and use of the products is the responsibility of the person performing the work.
- ✓ Proper treatment, maintenance, and cleaning of the surfaces is the customer's responsibility.

However, since we cannot intervene directly, the company assumes no responsibility for the conditions of the construction sites, the execution of the work, or the proper treatment, maintenance, and post-installation cleaning of the floors, as these are beyond our control. For any information, please contact our technical support team.





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