MICROCEM-FB

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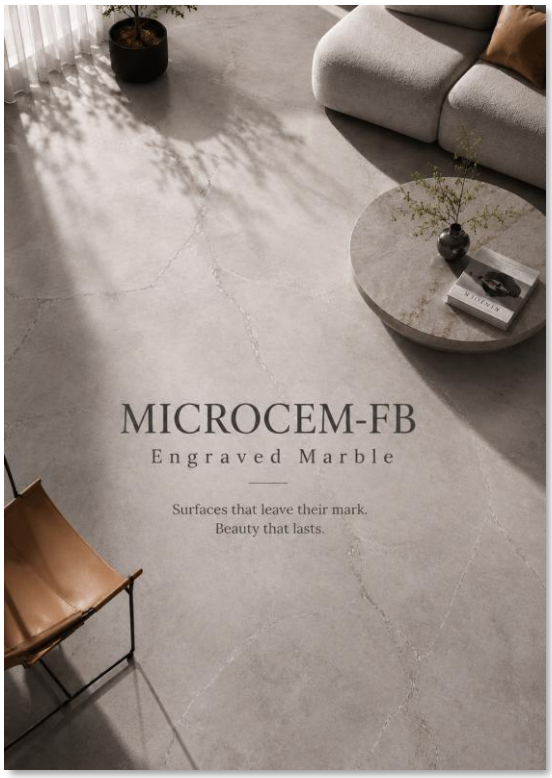

HIGH ADHESION ON EXISTING SURFACES

WATER RESISTANCE WITH COMPLETE SYSTEM

HIGH MECHANICAL RESISTANCE

ANTI-SLIP CLASS R11

HIGH-QUALITY RAW MATERIALS

NIKKOLOR ITALIA

www.nikkolor.net

MICROCEM-FB

DESCRIPTION
Microcem-FB is a next-generation fiber-reinforced microcement, a premixed powder composed of quartz microspheres and marble powders, white Portland cement 525, selected glass fibers, and special additives that provide excellent adhesion to ceramic tiles, marble, screed, etc., with extraordinary resistance to flame spread and smoke development.

APPLICATIONS
✓ 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, meeting the furnishing needs of modern and contemporary architecture.

MAIN FEATURES
✓ Realistic and natural appearance of raw microcement
✓ 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 to 20 kg of Microcem-FB.
1. Add the water to a clean bucket and pour in the chosen color toner, mixing well.
2. Add the Microcem-FB 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 NK using a long-haired roller.
2. Apply a first coat of Microcem-FB using a stainless-steel trowel.
3. Let dry for 12 hours (+20°C).
4. Apply a second coat of Microcem-FB as described for the first coat.
5. Let dry for 24 hours (+20°C).
6. Apply a first coat of VetroLiquido PRP using a short-haired roller and immediately afterward lightly smooth the product while it is still wet with a trowel.
7. Let dry for 24 hours (+20°C).
8. Apply a second coat of VetroLiquido PRP as described for the first coat.
9. Let dry for 24 hours (+20°C).
10. Apply a third coat of VetroLiquido PRP as described for the second coat.
11. Let dry for 72 hours. (+20°C)

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OTHER INSTRUCTIONS

- ✓ 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 plastic materials with a high plasticizer content (e.g., tires) may 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: 32 shades
- ✓ Dilution: ~300 ml of drinking water per kg of product
- ✓ Mixture pH: 12
- ✓ Coverage: 16 m^2 with two coats
- ✓ Pot Life: 4 hours at +20°C
- ✓ Grain Size: Max 0.5 mm
- ✓ Mineralogical nature of the aggregate: Silicon/carbonate
- ✓ Consistency: Thixotropic
- ✓ Density of the mix: 1,500 kg/m3
- ✓ Packaging: 20 kg
- ✓ 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

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- ✓ 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
- ✓ 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 VetroLiquido PRP: ~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
- ✓ UFI Code: NC00-Y08C-J00G-9N29

PERFORMANCE CHARACTERISTICS

- ✓ Tensile strength (EN 13892-2): 38 N/mm^2 after 28 days
- ✓ Compressive strength (EN 13892-2): 38 N/mm^2 after 28 days
- ✓ Flexural strength (EN 13892-2): 36 Nm after 28 days
- ✓ Impact resistance (UNI EN ISO 6272-1): 0.500 Nm/501 m
- ✓ Permeability resistance (UNI EN 1062-3): 0.0001 kg/m^2*h0.5 after 5 days
- ✓ Reaction to fire (EN 13501-1) CLASS 1 after 28 days
- ✓ Adhesion resistance to concrete (EN 13892-8): 6 N/mm^2 after 28 days
- ✓ Determination of the chair with rubber wheels (EN 425): absolutely free of defects
- ✓ Commissioning (R11 system) ≈ 48 hours / ≈ 7 days (contact with water)

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 is current as of January 2026 and may be subject to additions and/or changes 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 Microcem-FB flooring
The floor 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 impacts. Furthermore, it holds up well in humid environments, has good fireproof properties, thus preventing the spread of flames, is highly resistant to chemicals, the surface is hygienic because it has no joints, and, finally, is easy to clean and maintain.

Disadvantages of Microcem-FB flooring
The floor is very durable, but not as durable as a ceramic or stoneware floor. It can be repaired rather than replaced entirely if the damage affects a very small area, and this is also a good thing, but in any case, it must be applied by qualified professionals. It is not suitable for DIY.

Using the Microcem-FB Floor
In the first week after applying the complete cycle, it is very important not to clean the floor under any circumstances. Do not spill any liquid on the floor that could alter the color, lighten, or even bleach it. Therefore, avoid walking on the floor at all costs, as it has not yet reached its maximum hardness and chemical resistance.

Cleaning the Microcem-FB Floor
Start cleaning the floor by removing dust and dirt using a soft-bristled broom or a vacuum cleaner to gently sweep 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 Microcem-FB 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 excessive amounts could leave residue on the floor. Neutral products are the best choice for interiors and home environments; they are simple, economical, and extremely effective.

Helpful tips for treating Microcem-FB 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 oily substances 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 liquids spilled on the floor 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, stucco, 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 will damage the floor.
- ✓ Be extremely careful when installing furniture (in any case, it is recommended to let the surface fully cure) and do not leave objects on the floor. Incorrectly curing the floor will result in unsightly stains, even after several days.
- ✓ Do not drag any objects across the floor.
- ✓ Walk on the surface only with clean shoes.
- ✓ Avoid standing water and direct contact with moisture.
- ✓ Knowledge of the surfaces and their suitability for the correct method of Installation and use of the products is the responsibility of the person performing the work.
- ✓ The customer is responsible for the proper treatment, maintenance, and cleaning of the surfaces.

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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