ETNA

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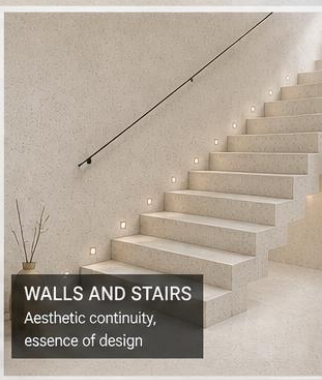
ETNA

CONTINUOUS DECORATIVE COATING
WITH REAL VOLCANIC ASH

SEAMLESS SURFACES.
PURE ARCHITECTURAL DESIGN.

- REAL VOLCANIC ASH EFFECT
- HIGH DURABILITY AND RESISTANCE
- WATERPROOF AND BREATHABLE
- RESISTANT TO UV RAYS AND ATMOSPHERIC AGENTS



- HIGH ADHESION ON EXISTING SURFACES
- WATER RESISTANCE WITH FULL SYSTEM
- HIGH MECHANICAL STRENGTH
- ANTI-SLIP R11
- PREMIUM RAW MATERIALS

NIKKOLOR ITALIA
www.nikkolor.net

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DESCRIPTION
Etna® is the result of an innovative project born from the REUCET 2018/2020 research conducted by the University of Catania and funded by the Ministry of the Environment, aimed at recovering and using volcanic ash from Mount Etna's 1669 eruption.

This professional high-end decorative finish represents a true revolution for the industry: easy to apply, durable, breathable, with insulating properties and the ability to purify the air in the environments in which it is applied. Etna® is not just a decorative material, but a concrete opportunity to change habits in the supply chain and actively contribute to the transition to a more sustainable, circular economy.

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 appearance of volcanic ash
✓ 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 litres of drinking water in 20 kg of Microcem-FB and 4 kg of Etna
1. Add water to a clean bucket, pour in the toner, and mix well.
2. Add Microcem-FB in small doses and mix thoroughly using a mechanical mixer. Immediately add Etna and mix thoroughly until a smooth, lump-free paste is obtained.

PREPARATION AND APPLICATION
✓ The substrates must be dry, free from dust, paint, wax, oil and loose parts.
1. Apply a single coat of Primer NK evenly over the entire surface to be treated using a roller and a brush.
2. Let dry for 24 hours (+20°C).
3. Apply a first coat of Etna using a stainless-steel trowel.
4. Let dry for 24 hours (+20°C).
5. Apply a second coat of Etna as you did with the first coat.
6. Let dry for 24 hours (+20°C).
7. Apply a first coat of PRP Glass Protekt using a short-haired roller and immediately smooth the wet product lightly with a trowel.
8. Let dry for 24 hours (+20°C).

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9. Apply a second layer of PRP Glass Protekt as done for the first.
10. Let the product dry for 24 hours (+20°C).
11. Apply a third layer of PRP Glass Protekt as done for the second.
12. Let the product dry for 72 hours (+20°C).

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 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 DATAI

- → Appearance: Volcanic ash
- → Color: Black;
- → Colors obtainable with toner: 32 shades
- → Mixture pH: 12
- → Coverage with two coats: 16 m^2
- → Apparent density: 1.20 kg/L
- → Apparent density of the mixture: 1.45 kg/L
- → Thermal resistance and operating temperature: –30°C to +50°C
- → Use temperature: +10°C and +30°C
- → Touch dry: 3 hours at +20°C
- → Walkable dry: 48 hours at +20°C
- → Full hardening: ~7 days at +20°C
- → Furniture overlay: ~10 days at +20°C

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- ✓ Total curing time: 28 days at +20°C
- ✓ Water and UV resistance after application of PRP Glass Protekt: ~10 days
- ✓ Shelf life: 24 months in unopened packaging, protected from UV rays and humidity between +5°C and +30°C
- ✓ Packaging: 4 kg Etna + 20 kg Microcem-FB
- ✓ Pot life: (*) workable for 4 hours
- ✓ Application temperature: (*) +5°C to +30°C
- ✓ End use classification (UNI EN 1062.1 – 4.1): Decoration and Protection
- ✓ UFI Code: SE00-F0XR-U00Y-YYNC

PERFORMANCE CHARACTERISTICS

- ✓ Determination of slip (UNI EN 1308): **0.02 mm**
- ✓ Initial tensile adhesion strength (UNI EN 1348): **1.71 N/mm^2**
- ✓ Tensile adhesion strength after heat ageing (UNI EN 1348): **1.42 N/mm^2**
- ✓ Tensile adhesion strength after water immersion (UNI EN 1348): **1.26 N/mm^2**

ETNA PERFORMANCE

- ✓ Compressive strength (UNI EN 13892-2): **26.06 N/mm^2 at 28 days**
- ✓ Flexural strength (UNI EN 13892-2): **6.22 N/mm^2 at 28 days**

PERFORMANCE OF THE COMPLETE TESTED SYSTEM*

- ✓ Impact resistance (UNI EN ISO 6272-1): **6.18 Nm**
- ✓ Liquid water permeability (UNI EN 1062-3): **w = 0.0001 kg/(m^2·h$^{0·5}$)**
- **Tested system: PRIMER NK + MICROCEM-FB (Etna) + DECOR FINISH.**

The values relating to compressive strength, flexural strength, impact resistance and liquid water permeability were determined through internal tests carried out at the Nikkolor Italia Research & Development Laboratory, in accordance with the test methods specified in the relevant UNI EN standards.

Data measured at a temperature of +20 °C, 65% R.H. and in the absence of ventilation. Values may vary depending on specific site conditions, including temperature, ventilation and substrate absorbency.

The information provided herein is updated as of January 2026 and may be subject to additions and/or changes over time by Nikkolor Italia S.r.l. For any updates, please refer to the Nikkolor Italia website.

Nikkolor Italia S.r.l. therefore guarantees the validity, currency and updating of its information only when obtained directly from its official website. This Technical Data Sheet has been prepared on the basis of our best technical and application knowledge.

However, since we cannot directly control site conditions or the execution of the works, the information provided herein is intended as general guidance and does not in any way bind our Company. A preliminary test is therefore recommended to verify the suitability of the product for its 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 Etna 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 Etna 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 Etna 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 Etna 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 like 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 Etna 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 Etna 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 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.
- ✓ Proper treatment, maintenance, and cleaning of 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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