FRAMMENTI

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FRAMMENTI

DESCRIPTION
Frammenti is a professional decorative additive consisting exclusively of a selected blend of stainless steel micro-Frammenti, developed to be incorporated into compatible Nikkolor seamless coatings.

Unlike glitter effects achieved using polymer particles or synthetic materials, Frammenti is made of genuine metallic material: stainless steel.

The specific proprietary particle size distribution, developed by Nikkolor Italia, is designed to ensure the uniform dispersion of micro-Frammenti within the coating and to create a dynamic reflective effect, characterized by the perception of light points of varying sizes.

In diffuse natural light, the micro-Frammenti remain visually subtle, blending into the surface's textured appearance. The effect becomes particularly noticeable under artificial lighting—especially in the evening—as the observer's movement relative to the light source causes pinpoint reflections to appear and disappear.

This behavior creates the signature Frammenti "diamond effect."
The particle size distribution and the specific combination of the various fractions constitute Nikkolor Italia's proprietary know-how.

FIELDS OF APPLICATION
- ✓ Frammenti has been developed for incorporation into the professional Nikkolor systems listed in this technical data sheet, intended for creating seamless decorative coatings on walls and floors.
- ✓ Applicable systems: Microcem-FB; MarmUra.
- ✓ Intended use, substrate preparation, number of coats, drying times, application conditions, and the final protective system remain as defined in the Technical Data Sheet (TDS) for the specific coating used.

OPTICAL EFFECT CHARACTERISTICS
1. Frammenti is not formulated to produce a continuous, uniform sheen across the surface; its specific particle size distribution results in micro-Frammenti of varying sizes that interact with light to generate pinpoint reflections of three distinct visual sizes. The effect remains subtle in diffused natural light but becomes more pronounced under artificial lighting; as the observer's position relative to the light source changes, the individual points of reflection appear to vary in intensity and size, creating a dynamic visual effect.
2. The application technique and the way the tool is used influence the arrangement of the micro-Frammenti on the surface—and consequently the final perception of the metallic reflections—while the coating's color, the type and position of the light sources, and the viewing angle all contribute to the final perception of the effect.

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DOSAGES

NIKKOLOR SYSTEM	PACKAGING	FRAGMENT DOSAGE
Microcem-FB	**20 kg**	**200 g**
MarmUra	**7 L**	**100 g**
MarmUra	**2,5 L**	**35 g**

The specified dosages were determined by Nikkolor Italia based on the particle size distribution and specific morphology of the micro-Frammenti; they must be adhered to in order to achieve the intended visual effect.

Increasing the quantity of Frammenti does not result in a proportional increase in brilliance; conversely, a dosage higher than prescribed may reduce the definition and perception of individual reflection points, compromising the balance of the final effect. Therefore, adding Frammenti in quantities exceeding those indicated in this TDS is not recommended.

PREPARATION AND MIXING

- Microcem-FB + Frammenti
- Dosage: 200 g of Frammenti per 20 kg of Microcem-FB.

1. For preparation with Frammenti, proceed in the following order:
2. Pour the required amount of water for the Microcem-FB mixture into the bucket.
3. If coloring is required, add the toner and mix thoroughly.
4. Add 200 g of Frammenti and mix until the micro-Frammenti are evenly distributed.
5. Gradually add 20 kg of Microcem-FB.
6. Mix mechanically until a homogeneous, lump-free mixture is obtained.
7. Proceed with the standard application cycle outlined in the Microcem-FB TDS.

Mixing sequence: Water → Toner (if applicable) → Frammenti → Microcem-FB

For substrate preparation, number of coats, application methods, waiting times, and the final protective system, refer to the latest Microcem-FB TDS.

MARMURA + Frammenti

- Dosages: MarmUra 7 L → 100 g Frammenti; MarmUra 2.5 L → 35 g Frammenti.

1. Prepare MarmUra according to the instructions in its specific TDS.
2. After the Crystals have been fully incorporated, add the required amount of Frammenti and mix thoroughly until the micro-Frammenti are evenly distributed. Then proceed with the standard MarmUra application cycle.

Mixing sequence: MarmUra → Crystal → Frammenti

For substrate preparation, number of coats, application methods, drying times, and the final protective system, refer to the latest MarmUra Technical Data Sheet (TDS).

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STABILITY OF MICRO-FRAGMENTS IN THE COATING

- ✓ Fragmenti is incorporated directly into the mass of Microcem-FB or MarmUra during the preparation of the product.
- ✓ The micro-fragments are therefore integrated into the coating matrix and not simply deposited on the surface.
- ✓ Once the application cycle is completed and properly matured, this integration allows the micro-fragments to remain stably incorporated into the coating during normal conditions of use and cleaning of the surface.
- ✓ On the walls, normal cleaning operations do not cause the detachment of micro-fragments; on floors, vacuuming and normal washing operations do not cause removal, provided that the application cycle, curing times and protection system required by the TDS of Microcem-FB or MarmUra are respected.

FINAL EFFECT

- ✓ Frammenti is designed to integrate into the material character of the covering without producing a uniform and constantly evident glitter effect.
- ✓ Its characteristic is the variability of the reflection: the luminous points emerge or fade depending on the lighting, the position of the observer and the processing of the surface.
- ✓ The effect is particularly enhanced by artificial lighting, which allows the different sizes of the reflection points and the characteristic diamond effect to be perceived more clearly.
- ✓ To correctly evaluate the aesthetic result, it is recommended to create a representative sample beforehand, using the same system, color, dosage, application technique and, when possible, lighting conditions expected for the final environment.

TECHNICAL DATA

Characteristic	Data
Denomination	FRAMMENTI
Typology	Professional decorative additive
Composition	Stainless steel micro-fragments
Apparance	Metal micro-fragments
Particle size distribution	Owner of Nikkolor Italia
Intended Systems	Microcem-FB / MarmUra
Microcem-FB 20 kg dosage	200 g
MarmUra 7 L dosage	100 g
MarmUra 2,5 L dosage	35 g
Packaging	100 g
Conservation	36 months from the date of manufacture
HS Code / Customs Code	32121000 00

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STORAGE

- ✓ Store Frammenti in its original, intact, and properly sealed packaging in a dry place, away from direct sunlight.
- ✓ Shelf life: 36 months from the date of manufacture, if stored under the specified conditions.

SAFETY

- ✓ According to the available Safety Data Sheet (SDS), Frammenti is not classified as a hazardous product under CLP criteria.
- ✓ The product is not classified as a skin or respiratory sensitizer according to the criteria set out in the SDS.
- ✓ For complete information regarding handling, personal protection, storage, disposal, and transport, please request the Frammenti Safety Data Sheet.

WARNINGS

- ✓ Use Frammenti exclusively in the systems and at the dosages specified in this TDS.
- ✓ Follow the prescribed order of incorporation for each system and mix thoroughly until a uniform distribution of the micro-fragments is achieved.
- ✓ Do not increase the dosage to achieve greater brilliance; quantities exceeding those prescribed may compromise the proper perception of the optical effect.
- ✓ Differences in color, application technique, surface finishing, lighting, and viewing angle may result in variations in the final appearance.
- ✓ The effect must be evaluated on the finished surface and under the lighting conditions intended for the environment.
- ✓ For any characteristics not specifically relating to Frammenti, refer to the updated TDS for Microcem-FB or MarmUra, depending on the system used.







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