

PLANOCOLOR MICROSILK



Decorative acrylic wall and floor covering

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- ▷ **Gives the appearance and texture of microcement toppings**
 - ▷ **Odourless, without volatile compounds and harmful ingredients**
 - ▷ **High mechanical strength with high resistance to aging**
 - ▷ **Excellent workability on horizontal and vertical surfaces**
 - ▷ **Quick application with a unique aesthetic result**
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Description

PLANOCOLOR MICROSILK is a ready-to-use pasty coating that can be used indoors and outdoors on floors, walls, and special constructions. Its one-of-a-kind composition, free of potentially harmful ingredients for both the user and the environment, makes it an ideal decorative coating for renovation or new construction. It produces a unique aesthetic and one-of-a-kind result with the appearance and texture of micro cement mortar.

Certifications

CE Marking and Declaration of Performance (DoP) C09977-CPR-2255150 as resin-based floor screed mortar, class SR-AR0,5-IR1,7-B1,5 according to EN 13813:2002 and as organic render for external and internal application on walls, ceilings, columns and partitions according EN 15824 Declaration of Performance (DoP) 09977-CPR-2250700.

Certified product of very low emissions of volatile organic compounds (VOC) classification GEV-Emicode EC1^{PLUS}, license number 14961/14.02.20.

Complies with Directive 2004/42 / EC for ready-to-use product (subcategory I, type WB) with a maximum permissible VOC content (VOC) of less than 200 g/L. PLANOCOLOR MICROSILK product contains 0.01 g/L VOC

Uses

PLANOCOLOR MICROSILK is suitable for creating:

- Decorative microcement coatings in houses, shops, hotels
- Decorative coatings of constructions and furniture such as tables, benches built in sinks etc.
- Internal areas, underfloor heating floors, bathrooms, and wet areas
- External areas, masonry, and facades with thermal insulation, etc.

On substrates such as:

- Concrete, cement screeds, gypsum boards and cement boards
- Existing coverings such as ceramic tiles, marble, terrazzo
- Glass, metal and wood properly primed

Technical Data

Product Identity

Form	Paste
Color	Color chart for PLANOCOLOR PREMIUM TERRA and selected RAL shades
Chemical substance	Acrylic dispersion, aggregates, special additives
pH	8 ± 0.5
Granulometry	D _{max} : 0,2 mm
Bulk density	1.7 ± 0.05 kg/L
VOC	< 0.01 g/L
Storage	12 months on dry area in the original sealed packaging

Application data (+23°C & 50% R.H.)

Mixing ratio	Ready to use
Application temperature	from +10°C up to +35°C
Recover	30 – 60 minutes
Walkability	2 – 3 hours
Application thickness	0.5 - 3mm, maximum thickness per layer 1mm
Hardness Shore D	80

Final Performance according to EN 13813:2002

Wear resistance	AR0.5
Bond strength	> 1,5 N/mm ²
Impact resistance	IR1.7

Final Performance according to EN 15824:2017 & EN 1504-3:2005

Water vapour permeability	V1, (>150 g/m ² d)
Water absorption	W ₃ , (< 0,1 kg/m ² h ^{0,5})
Adhesion	≥ 1,5 N/mm ²
Crack bridging ability	Class A3 (+23°C)
Reaction to fire	F

Application Procedure

Substrate Preparation

The substrates must be dry, compact, level, clean, and free of grease, oil, laitance, and any other substances that may interfere with PLANOCOLOR MICROSILK adhesion.

On absorbent substrates, the primer PLANO PRIMER or the micromolecular acrylic NOVAPRIMER are recommended. For more information, please see the Product Data Sheets.

Existing ceramic tile, marble, mosaic, and other materials floor and/or wall coverings must be securely fastened to the substrate and free of any residue that could interfere with adhesion. Depending on the type of surface dirt, clean the surface with ALCALINE CLEANER or ACID CLEAN and rinse with clean water. Apply the acrylic quartz primer PLANO CONTACT FAST prior to laying the material. The coating is applied after the primer has completely dried..

Preparation of the mix

The product is ready to use.

Application

Depending on the desired finish, apply two or three coats with a plastic or stainless-steel spatula. The NOVAMIX FIBERGLASS NET must be integrated after the first layer to increase the strength of horizontal surfaces such as floors, stairs, and so on. For a particularly minimalist finish, light sanding of the penultimate layer is recommended to eliminate any unevenness. Sandpaper grain size should be chosen based on the requirements.

Once the coating has dried completely, the surface can be sealed with one of the NOVAMIX products appropriate for the application.

Expansion joints

The location of the respective expansion joints is determined by the surface's use and the geometry of the area.

Recommendations

- Apply only on solid and properly primed substrate
- Avoid application under direct sunlight and/or strong drying wind or rain
- Do not add water in quantity higher than the recommended and do not add water when the mixture starts to set
Do not cover or apply the product over existing expansion joints of the substrate
- Do not apply the coating on substrates with rising damp or in total water immersion without substrate waterproofing
- Don't apply the coating on substrates and/or areas with temperature less than +10°C or higher than +35°C
- Do not apply directly over anhydrite screeds, metal or flexible substrates with high deformability and intense vibration
- The shades may vary with the application method and the sealing product of the final surface
- Application should be performed by professional users

Consumption	The PLANOCOLOR MICROSILK consumption is 1.7 kg/m ² /mm.
Cleaning	If the PLANOCOLOR MICROSILK is still fresh, tools, buckets, tiles, and so on can be cleaned with fresh and clean water. Cleaning can only be done mechanically after hardening has occurred.
Storage	PLANOCOLOR MICROSILK remains stable for at least 12 months in the original sealed packaging stored in a dry place in temperature between +5°C and +35°C.
Packaging	Plastic buckets of 15 kg.
Safety Instructions	For information and instructions regarding disposal and safe handling, users should refer to the latest Safety Data Sheet of the product containing ecological, toxicological and other safety-related data.

Legal Notes

The technical data and recommendations contained or listed in this leaflet are the result of laboratory measurements, of our current knowledge and experience. All the above-mentioned information and specifications should in any case be considered as indicative, as they may differ from each other. The Company makes every effort to ensure the accuracy of the information provided herein. Product specifications, prices and availability are subject to change without notice and may differ from those shown.

In practice, variations in materials, substrates and on-site implementation conditions are such that no warranty can be given or implied, as to the merchantability or suitability of the materials for a particular purpose and for the exact conditions of each project. Anyone interested of using the product must be sure beforehand that the product is suitable for the intended use and in any case, the user is solely responsible for any consequences due to the use of the product. Among other things, the Company is not responsible for any normal wear or tear from environmental or other inappropriate conditions. We reserve the right to revise or change the data herein without prior notice.

Restrictions and disclaimers apply to the extent permitted by applicable law. The Company has a Technical Support Department, which is the only one responsible for providing technical advice and solutions to deal with problems. Requests to the Technical Support Department are addressed and answered, only in writing. For the latest and a valid version of the Technical Data Sheet, the user of the material must refer to our website www.novamix.gr or directly to the QR Code of the product.



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