

# PLANOCOLOR PREMIUM TERRA



One component microcement coating for walls & floors

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- ▶ **Excellent workability on horizontal and vertical surfaces**
  - ▶ **High mechanical strength with high resistance to aging**
  - ▶ **Quick application with a unique aesthetic result**
  - ▶ **High adhesion to the majority building materials**
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## Description

PLANOCOLOR PREMIUM TERRA is a one-component cementitious mortar that can be used on both indoor and outdoor floors and walls. Its one-of-a-kind formula, free of potentially hazardous chemicals for both the user and the environment, makes it an ideal decorative coating - microcement mortar for renovation or new construction with an aesthetic effect.

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## Certifications

CE Marking and Declaration of Performance (DoP) C09899-CPR-2255140 as cement-based floor screed mortar, class CT-C30-F7-A12 according to EN 13813:2002 and as concrete repair product of structural repairs, class R3 according to EN 1504-3:2005 with Declaration of Performance (DoP) 09899-CPR-2220520.

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## Uses

PLANOCOLOR PREMIUM TERRA is suitable for creating:

- Decorative microcement coatings
- Decorative coatings of constructions and furniture such as tables, benches built in sinks etc.

For application on horizontal and vertical surfaces such as:

- External areas, floors, walls, rooftops, balconies, etc.
- Internal areas, bathrooms, and wet areas
- Surfaces with intense traffic, hotels, showrooms, houses
- Underfloor heating installations

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	Powder
Color	White and 60 colors with the NOVACOLOR DESIGN TERRA pigments
Chemical substance	Portland cement, aggregates, special additives
Granulometry	$D_{max}$ : 0,3 mm
Bulk density	1,5 ± 0,1 kg/L
Storage	12 months on dry area in the original sealed packaging

### Application data (+23°C & 50% R.H.)

Mixing ratio	5 – 5.2 L/20 kg powder
Density of the mix	1.4 ± 0.05 kg/L
Application temperature	from +5°C up to +35°C
Pot life	1.5 – 2 hours / 20°C
Minimum thickness	2 mm

### Final Performance according to EN 13813:2002

Compressive strength	≥ 30 N/mm <sup>2</sup>
Flexural strength	≥ 7 N/mm <sup>2</sup>
Bond strength	≥ 1,5 N/mm <sup>2</sup>
Wear resistance	A12

### Final Performance according to EN 1504-3:2005

Compressive strength	≥ 30 N/mm <sup>2</sup>
Flexural strength	≥ 7 N/mm <sup>2</sup>
Chloride content	≤ 0,02 %
Adhesive bond	≥ 1,5 N/mm <sup>2</sup>
Carbonation resistance	pass
Elastic modulus	≥ 15 GPa
Thermal compatibility Part 1	≥ 1,5 N/mm <sup>2</sup>
Capillarity absorption	≈ 0,3 kg /m <sup>2</sup> √h
Reaction to fire	F

## Application Procedure

### Substrate Preparation

Cement-based substrates must be compact, level, clean, and free of grease, oil, laitance, and other contaminants that could disrupt PLANOCOLOR PREMIUM TERRA adhesion. 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. Clean the surface with ALCALINE CLEANER or ACID CLEANER, depending on the type of surface debris, and rinse with clean water. Apply the acrylic quartz primer PLANO CONTACT FAST before laying the material. After the primer has completely dried, the coating is applied.

### Preparation of the mix

To achieve the desired color, the dye must be added to the water and homogenized. Then, using a low-speed electric mixer, mix the contents of the PLANOCOLOR PREMIUM TERRA bag for at least 3-5 minutes. The product has been completed and is ready for use.

### Application

Apply two or three coats to achieve the desired finish. Apply the first layer to horizontal surfaces with a 6x6 notched trowel, incorporating the alkali-resistant NOVAMIX FIBERGLASS NET into the still-wet mortar. Net inclusion is also recommended for vertical surfaces to serve as a coating thickness indicator. Under normal conditions, a second coat should be applied after 6 hours to ensure that the net is completely covered. To achieve the desired pattern, an additional coating or series of coatings may be applied. A 1:1 mixture of PLANOPRIMER and water is suggested for priming between coats. It is recommended that the finished surface be carefully sanded to create an extra smooth and minimal texture.

### Expansion joints

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

### Recommendations

- Only use on durable and properly prepared substrates with mechanical strengths proportional to the intended use
- Avoid using it in direct sunlight, as well as in strong drying winds or rain
- Do not add more water than is recommended, and do not add water when the mixture begins to set
- Do not cover or apply the product over existing substrate expansion joints
- Do not use the coating on substrates with rising damp or in total water immersion without first waterproofing the substrate
- Add no cement, gypsum, lime, or other substances that may affect the properties of the mortar
- Do not apply the coating to substrates or areas where the temperature is less than +5°C or greater than +35°C
- Do not apply directly to anhydrite screeds, metal, or flexible surfaces
- Application should be performed by professional users

### Consumption

PLANOCOLOR PREMIUM TERRA consumption is 1,4 kg/m<sup>2</sup>/mm.

**Cleaning** Tools, buckets, tiles, and so on can be cleaned with fresh and clean water if the PLANOCOLOR PREMIUM TERRA is still fresh. After hardening, cleaning can only be done mechanically.

**Storage** PLANOCOLOR PREMIUM TERRA 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** Paper bags of 20 kg.

**Safety Instructions** Users should refer to the product's most recent Safety Data Sheet for information and instructions on disposal and safe handling, which includes 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](http://www.novamix.gr) or directly to the QR Code of the product.



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