



InfinituS

Soluzione decorativa
per pavimenti



MARMORINO InfinituS



MARMORINO INFINITUS is a paste finish, colorable with the tinting machine, for decorative smoothing of high aesthetic value on walls and floors. It is used as the colored finish of InfinituS.

Product description and fields of use

MARMORINO INFINITUS is a resin-based leveling paste, ideal for performing decorative smoothing with a high aesthetic impact on walls and floors. Thanks to the formulation based on high-quality resins and very high-strength aggregates, MARMORINO INFINITUS offers excellent flexibility, excellent impermeability and high mechanical characteristics, which are conferred to the entire INFINITUS application cycle. It can be used to make decorative coverings in homes, shops, offices, showrooms, etc.

MARMORINO INFINITUS is applied in two layers with a smooth steel or plastic spatula, depending on the chromatic effects to be obtained.

With INFINITUS MARMORINO you can create infinite effects and colors as per the INFINITUS color chart, and it is available in white, or already colored.

MARMORINO INFINITUS can be pigmented with the arteMURI tinting system, and is ready for use without the addition of catalysts or crosslinkers.

MARMORINO INFINITUS is available in the following grain sizes:

- MEDIUM - 0,7 mm
- FINE - 0,25 mm

continue on the next page

Technical data

TECHNICAL DATA	STANDARD	UNIT OF MEASURE	RESULT
Specific weight 20°C	UNI EN ISO 2811	kg/lt	1,63±0,05
Dry residue	UNI EN ISO 3251	% (p/p) % (v/v)	81±1 68±1
Brookfield viscosity 20°	ASTM D 2198	Cps	135.000±20.000
Dilution			max 1-2%
Theoretical consumption		kg/m ²	ca. 0,70 ÷ 0,80 thickness 300-500 μ <i>equal to</i> approx. 380-450 g/m ² first layer approx. 300-350 g/m ² second layer tot min. 700 g/m ²

Reaction times

Temperature + 20°C

Relative humidity 50%

- Touch drying time: approx. 2 hrs
- Overlapping time: approx. 3-4 hrs with MARMORINO INFINITUS
approx. 24 hrs with FINITURA INFINITUS
- Opening Time to foot traffic: 12 hrs
- Opening time to heavy traffic: 36 hrs
- Complete hardening of the surface: 7 days

Indicative consumption

Theoretical consumption equal to 0,70 - 0,80 kg/m² thickness 300-500 μ.

The yield of the product depends on the type and state of the support, the tools used, etc.

The exact consumption must be determined by performing a sampling on the spot.

Storage

Store in original, closed buckets and in a cool, dry place. Protect from frost and avoid direct sun exposition. Unopened, it is kept for at least 12 months from the date of production.

The product can thicken, without losing its properties; shake well before applying.

Application and storage conditions

- Application temperature: between +15°C and +30°C
- Operating temperature: between -20°C and +75°C
- Storage temperature: between +5°C and +30°C

Surface treatment

Always carry out a thorough cleaning of the surface from any trace of grease, oil, grease, old paint and anything else that could compromise the correct adhesion of the coating.

The floor must be adequately prepared with the application of FONDO INFINITUS according to the methods indicated in the respective technical data sheet.

continue on the next page

MARMORINO InfinituS

Tiled surfaces (ceramics, stoneware, etc.)

ALWAYS check the perfect adhesion of the existing ceramic / stoneware coating etc.

Remove any tiles that are not perfectly adherent to the support and fill with a suitable restoration product, after applying PRIMER INFINITUS (see technical data sheet).

On floors with joints with dimensions > 3 mm, fill them with a coat of FONDO INFINITUS. After 7-8 hours sand the surface with a roto-orbital or single-brush sander tool with 40 grit paper and remove the dust.

Apply a coat of PRIMER INFINITUS with a roller (see technical data sheet) all over the floor / coating to create a suitable adhesion promoter and wait about 8 hours for complete drying. When the product is still wet, spread the RETE 70GR fiberglass mesh and pass over it with a roller to block the net for subsequent applications.

Apply FONDO INFINITUS with a spatula over the entire surface. If applied on a net, smooth over it. Apply MARMORINO INFINITUS in two coats until reaching the desired aesthetic effect.

It is advisable to apply a first coat of MARMORINO INFINITUS, to sand the surface with a roto-orbital or single-brush sander tool with 120 grit, aspirate the surface and apply the second coat with a plastic spatula.

Sand again until the desired color effect is obtained.

After 24 hours the surface must be protected with FINITURA INFINITUS.

Cement surfaces

Apply a coat of PRIMER INFINITUS diluted 30% to consolidate it. We always recommend the application of RETE 70GR fiberglass mesh.

After 6/8 hours proceed with the application of FONDO INFINITUS with the methods described above.

Apply MARMORINO INFINITUS in two coats until the desired aesthetic effect is obtained, using the methods described above.

If the support presents problems such as structural cracks, moisture due to capillarity, condensation or infiltration etc., it is necessary to first solve the architectural problem that causes these items.

Plaster or plasterboard vertical surfaces

The surface must be smooth, completely dry, and free from defects. On non-new or previously painted surfaces it is necessary to remove any parts that are not well anchored and to level imperfections by scraping, grouting or brushing.

Apply PRIMER INFINITUS diluted 20-30%. After 6-8 hours the surface is ready to be coated with MARMORINO INFINITUS, as described above.

Product preparation

The product is monocomponent and ready to use, white colored.

It can be pigmented with the arteMURI tinting system.

For application on large surfaces or if the product appears to be dense before application, it is recommended to mix with a mixer equipped with a special impeller and add 1-2% of water.

Depending on the desired effect, it is possible to add the first coat of product with 5-10% of QUARZO 04s. This is to facilitate the applicator in laying the product and offer a matric surface effect.

continue on the next page

MARMORINO InfinituS

Application

FONDO INFINITUS is applied with a spatula to smooth both horizontal and vertical surfaces. When completely dry, it is advisable to sand the surface with roto-orbital or single-brush sander tool with 80-120 grit paper and remove the dust.

On the surface made previously, apply MARMORINO INFINITUS with a smooth steel or plastic spatula.

With light colors we recommend the application of the final coat with a plastic spatula to avoid the formation of dark-gray glazes due to the abrasion of the stainless spatula.

Apply several layers of product (from a minimum of two) depending on the type of support, the aesthetic effect to be obtained and the more or less clear coloring of the product to be used. Light colors on dark backgrounds will be less opaque.

Consumption must amount to 380-450 g/m² for the 1st layer and 300-350 g/m² for the 2nd layer, until a total consumption of at least 700 g/m² is achieved.

After the complete drying at a temperature of 20°C, smooth the surface with a mechanical medium with 120 grit sandpaper.

Apply two coats of FINITURA INFINITUS (see technical data sheet) as a protective surface and to improve the anti-scratch characteristics.

Certifications

TECHNICAL DATA	STANDARD	RESULT
Liquid water permeability determination	UNI EN 1062-3	W3 CLASS
Mass fall test	UNI EN 6272	CLASS 3 IR>20 intact sample after impact
Surface hardness determination	UNI EN 13892-6	CLASS SH 40
BCA wear resistance determination	UNI EN 13892-4	CLASS AR 0,2 max 20 microns
Slip resistance	UNI EN 13036-4	dry PTV 76 wet PTV 44
Bond strength	UNI EN 13892-8	CLASS B2,0 3,8 N/mm ²
Bending properties	UNI EN 178	Ef (MPa) 3374

Specifications

The surfaces affected by the INFINITUS decorative finish must be made with white or colored MARMORINO INFINITUS paste from Fornaci Calce Grigolin, based on fine resins and very high resistance aggregates. MARMORINO INFINITUS must be applied in at least two layers on the surface previously prepared with FONDO INFINITUS, PRIMER INFINITUS and RETE 70GR.

The minimum consumption of MARMORINO INFINITUS is 0,70 kg/m².

Tools cleaning

Clean the tools with hot water after use.

The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.

MARMORINO InfinituS

Remarks

Mineral substrates must have a minimum maturity of 28 days.
Do not apply on surfaces permanently in contact with water.
The parts that must not be treated must be protected (glass, wood, etc.).
In case of strict aesthetic requirements, it is recommended to perform before sampling tests.
Do not mix with other products to preserve the specific properties of the same.

Complementary products

We recommend using the INFINITUS / arteMURI range for complementary actions depending on the application, repair and / or finishing operations required. Consult the corresponding technical data sheets.

Important warnings

Do not apply with ambient and / or substrate temperature below +5°C or above +30°C and with relative humidity above 50%. Avoid application in the presence of surface condensation, under the direct action of the sun or strong wind. Wash tools and equipment immediately with water after use.
If the product is supplied colored, it is advisable to withdraw the entire quantity sufficient to complete the processing in a single production lot.

Waste management

Dispose according to local regulations. The buckets are of polypropylene. Respect the environment, do not throw waste in the drain pipes and contact the nearest disposal center.

Responsible behavior

Minimize product waste by estimating the amount you will need. Recover the unused product for re-use, keeping it according to the storage instructions.

Safety information

Use the products according to the current hygiene and safety regulations.
Do not dispose of containers in the environment after use. Allow the residues to dry well and treat them as special waste.
For further information, consult the safety data sheet.

Note

The information provided has been provided in good faith, based on the current knowledge and experience of Fornaci Calce Grigolin of the product, if properly stored, handled and applied, in normal conditions and in accordance with the recommendations provided by Fornaci Calce Grigolin. The Technical Data Sheet is provided for information purposes and for assistance purposes, but is not legally binding. In particular, it does not exempt the user from testing and verifying the suitability of the product for the application and the desired purpose. Fornaci Calce Grigolin reserves the right to make changes to improve the product or its application. This edition cancels all previous ones.

v. 10/2019

The reported data refers to Quality Control tests in standard environmental conditions. Practical applications in the construction sites may detect significantly changed data, depending on operating conditions, so the information on the Card is only indicative because the user must always check its suitability for intended use of the product by taking responsibility for the use. Fornaci Calce Grigolin S.p.A. reserves the right to make technical changes of any kind without prior notice.