

# Fine Marmorino Stucco



Technical Data Sheet Revision:

of:



## Self-polishing decorative stucco marmorino for interiors.

### Product Description

Stucco Marmorino Fine is a ready-to-use, breathable, decorative mineral coating formulated with lime putty, marble dust, and specific additives. Applied with a trowel in two coats, it creates a smooth, compact, satin finish with the nuances and depth typical of traditional lime-based marmorino plasters.

The mineral matrix and high vapor permeability promote the diffusion of moisture through the coating, contributing to the hygrometric balance of the masonry and limiting accumulations behind the finish. Lime's characteristic alkalinity also makes the surface environment unfavorable to the growth of mold and bacteria; this property does not replace the removal of the causes of infiltration, condensation, or persistent damp.

During curing, calcium hydroxide reacts with atmospheric CO<sub>2</sub>, gradually converting into calcium carbonate and contributing to the consolidation of the coating. Under theoretical conditions, 1 kg of pure, fully carbonated Ca(OH)<sub>2</sub> can bind approximately 594 g of CO<sub>2</sub>; the actual absorption of the applied product depends on the content and purity of the free lime, the thickness, exposure, and curing conditions.

### Fields of Application

Stucco Marmorino Fine is suitable for decorating interior surfaces, on properly prepared surfaces such as:

- Traditional masonry and lime or lime-cement based plasters
- Plasterboard surfaces, after suitable priming
- Restoration work in historic buildings, period villas, and noble palaces
- Prestigious residential spaces: living rooms, entrances, bedrooms, studies
- Public and commercial spaces such as boutiques, restaurants, hotels, showrooms, halls and event rooms

For optimal results, we recommend applying it to perfectly smooth, well-seasoned surfaces treated with mineral-based leveling primers or primers compatible with limestone substrates.

### Technical Features

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| I wait                 | Polished                                               |
| Color in a jar         | White and color chart                                  |
| Density Kg/Lt          | 1.65 ± 0.05                                            |
| Supply viscosity 25°C  | Thixotropic                                            |
| Volumetric dry residue | 90 ± 2%                                                |
| Theoretical yield      | 2.8–3.5 kg/m <sup>2</sup> for two coats                |
| Dilution               | Water if necessary max 2%                              |
| Application method     | Stainless steel trowel and spatula, with rounded edges |

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Drying 25°C

Out of Touch 1 - 2 hours

Dry to touch 3 - 5 hours

Deep dry 12 - 18 hours

Minimum / Maximum Overlap

3 - 5 hours / no limitations -10°C

Operating temperature

+120°C

Storage stability

12 months

Standard packages

25 kg

## Application Method

### Preparation of the substrate

Proper substrate preparation is essential to ensure optimal adhesion and a uniform, long-lasting finish. The substrate must be dry, cured, sound, and free of dust, loose particles, old, loose paint, or any other contaminants (oil, wax, efflorescence).

### New surfaces (lime or lime-cement plaster):

- Wait until the curing process is complete (at least 28 days under standard conditions).
- Clean the surface thoroughly, removing any traces of dust or loose parts.
- In the presence of micro-cracks or discontinuities, intervene with compatible mineral-based fillers.
- Apply a coat of insulating primer such as Isoacryl diluted 1:5 with water, to even out absorption and adequately prepare the surface.

### Already painted or degraded surfaces:

- Check compatibility and adhesion.
- Remove any loose paint by sanding or scraping.
- Repair any unevenness or cracks with suitable fillers.

Proceed with priming as described above.

### Product Application

#### First hand

- Apply Stucco Marmorino Fine with a rounded-edge stainless steel trowel in a thin, even layer.
- Distribute the material in crisscrossing strokes, always keeping the tool slightly tilted to avoid build-ups and marked overlaps.

#### Second hand

- After approximately 8 hours (at 20°C and 60% RH), proceed with a second thin coat, applied using the same technique.
- Work in a fluid and continuous manner, maintaining a uniform surface without visual interruptions.

#### Final polishing

- Once completely dry (after about 24 hours), polish the surface with a clean stainless steel trowel, applying firm but regular pressure.
- Go over the surface several times to achieve the desired level of shine: the more passes, the more pronounced the shiny, marbled effect will be.

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To maximize the final aesthetics and increase the surface protection, it is possible to apply a wax specific natural base, to be dry polished after complete drying.

## *Maintenance and Cleaning*

To preserve the aesthetic appearance and brilliance of the Stucco Marmorino Fine finish over time, it is necessary to carry out cleaning and maintenance operations with non-aggressive products and tools, avoiding vigorous rubbing, abrasive detergents or unsuitable chemicals.

Before any cleaning procedure, especially on colored, shiny, or waxed surfaces, we recommend carrying out a preliminary test on a small, inconspicuous area to verify the compatibility of the treatment with the applied finish.

### Ordinary cleaning

Routine cleaning is intended to remove dust and surface deposits that, over time, can reduce the brilliance and decorative effect of the Marmorino.

Dust as needed, approximately every 1–2 weeks, depending on the environment and the degree of exposure to dirt.

Use a soft, dry microfiber cloth, an anti-static cloth, or a duster. Gently wipe the surface with light, even strokes, without applying excessive pressure, to avoid micro-scratches or altering the surface finish.

### Periodic cleaning

In the presence of fingerprints, light streaks or non-stubborn surface dirt, it is possible to proceed with a delicate damp cleaning.

Prepare a solution with warm water and a small amount of neutral detergent, preferably a mild neutral soap. Do not use universal degreasers, alkaline or acidic detergents, limescale removers, bleach, solvents, alcohol, or abrasive products, as they may dull, stain, or alter the finish.

Dip a soft microfiber or cotton cloth in the prepared solution and wring it out thoroughly. The cloth should be only slightly damp, never soaked.

Clean the surface with gentle, preferably circular, movements, without rubbing vigorously. For localized dirt, work gradually, focusing carefully on the affected area.

After cleaning, immediately dry the surface with a second soft, clean, and dry cloth. Do not allow water to evaporate directly on the finish, as this may cause dull streaks or surface residue.

### Extraordinary maintenance and restoration of protection

If the finish has been protected with wax or a specific protective treatment, it may become necessary, over time, to restore the surface protection layer, especially in environments subject to greater wear, frequent contact, humidity or dirt, such as bathrooms, corridors, entrances and passageways.

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The treatment can be performed approximately every 2–3 years, or when the surface shows a noticeable reduction in gloss, silkiness, or water-repellent properties. The actual frequency depends on the conditions of use, the type of protection applied, and the degree of exposure of the surface.

Use only waxes or protective products compatible with decorative finishes such as marmorino/stucco, following the instructions in the product's technical data sheet. The choice of protective product should be based on the desired aesthetic effect, the level of gloss, and the intended use of the surface.

Apply the protective product in a very thin, even layer using a cotton cloth, soft sponge, or other suitable tool recommended by the manufacturer. After the required waiting time for the product used, proceed with polishing with a soft, clean cloth, preferably wool or microfiber, until the desired aesthetic effect is achieved.

Avoid excess wax or protector, as surface build-up can cause halos, differences in shine, or visual unevenness.

## Humid environments and rooms subject to steam

In environments such as bathrooms, kitchens, or rooms subject to steam formation, always ensure proper ventilation, especially after using hot water or in the presence of condensation.

Prolonged stagnation of humidity or steam can compromise the protective surface layer over time and encourage the appearance of halos, dullness or aesthetic unevenness.

## Warnings

Do not use abrasive sponges, wire wool, stiff brushes, aggressive detergents or steam cleaners.

Do not wash the surface with plenty of water and do not leave stagnant water on the finish.

In the presence of persistent stains, localized damage, scratches, marked dulling or evident loss of surface protection, avoid improper interventions and contact qualified personnel to evaluate the restoration of the finish or protective treatment.

## Tips and Notes

To obtain a bright, uniform and technically stable marble finish, it is essential to respect certain technical and environmental conditions during all phases of the application cycle.

### Ideal environmental conditions

- Apply Stucco Marmorino Fine only in favorable weather conditions, with temperatures between +5°C and +35°C and relative humidity  $\leq$  75%.
- Avoid application in the presence of strong winds, direct sunlight, or risk of imminent rain.
- In conditions of low temperatures or high humidity, it is necessary to extend the drying times between coats to avoid surface imperfections such as opacity, bubbles, or chromatic unevenness.

### !State and preparation of the support

- The substrate must be perfectly dry, cohesive, homogeneous and free from contaminants.
- Do not apply on substrates affected by rising damp, saline efflorescence or unstable substrates.

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• In the presence of tempera, old degraded stucco or inconsistent paint, it is mandatory to proceed with complete removal and restoration with suitable products, followed by priming with acrylic sealers (e.g. Isoacryl).

## Aesthetic and technical performance

• The practical performance of the product may vary depending on the porosity of the substrate, the skill of the applicator, and the desired decorative style. A test application on site is recommended. • To achieve the typical mirror-like shine, respect the recommended thicknesses and use rounded-edge stainless steel trowels. • The final polishing, performed on a partially dry surface with multiple passes and increasing pressure, is crucial for enhancing the brilliance, depth, and elegance of the decoration.

## Product Conservation

• Store Stucco Marmorino Fine in a cool, dry place, between +5°C and +35°C. • Protect the material from frost, humidity, and direct sunlight. • Close the container carefully after each use to preserve its technical characteristics.

## Colorificio Atria SRL

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