

ROMABIO

MARMORINO FLAT | TECHNICAL DATA SHEET | (UNI 8681) (DIN 18363)

Interior/Exterior | Natural Lime Plaster

PRODUCT FEATURES

Marmorino Flat is a groundbreaking design idea that turns plain vertical surfaces into a captivating multisensory journey, representing a groundbreaking interpretation of decorative techniques that transform walls into significant architectural spaces. The traditional formulation is fully inspired from ancient Roman techniques and the rich artistry of the Venetian Renaissance. Composed of natural raw materials of mineral origin to 97%, CO2-absorbing, breathable, and permeable. It not only enhances the visual appeal of vertical surfaces but also contributes to a healthier environment, making it an exemplary choice for conscious designers and homeowners alike.

Marmorino Flat is crafted from fine crushed marble and lime putty, which can be tinted to achieve a diverse palette of soft, natural colors. Its versatility extends to various textures, simulating both marble and natural stone effects. Designed specifically for smooth and opaque walls, Marmorino Flat provides an exquisite velvety effect that enhances the overall elegance of any space. Marmorino Flat excels in environments demanding durability and hygiene, boasting water-resistant and antibacterial properties that make it particularly suitable for luxury bathrooms and bedrooms. Furthermore, it is designed for exterior finishes, demonstrating remarkable resilience against freeze/thaw cycles, moisture, and UV exposure.

FIELDS OF APPLICATION

Marmorino Flat is ideal for decorating interior and exterior surfaces. It works best over natural lime plasters, as it chemically bonds to them, extending the life of the coating. MediumGrip Primer is required to apply it to:

- New and old plasters based on hydraulic binders
- Plasters and Gypsum plasterboard surfaces
- Previously painted surfaces (primer required)
- Organic or mineral coatings when dry, compact, absorbent and cohesive
- Absorbent, Mineral Conglomerates
- MGO mineral boards
- Portland cement surfaces, cementitious boards

TYPE OF PRODUCT

Slaked lime coating, mineral aggregate according to DIN 18363 with 3% organic stabilizers. No acrylic binders.

SHEEN FINISH

Flat

COLOR

White Base. Color tint up to 8% max with water-based, organic or oxide pigments. Custom color tint matching is available.

PACKAGING

Plastic buckets in 2.5kg and 25kg

COVERAGE

Coverage is estimated on average consumption. Determine exact consumption by performing a test on the surface.

- **2.5kg:** approx. 25sf-30sf
- **25kg:** approx. 250sf-300sf

TOOLS

Romabio Stainless Steel trowel

TOOL CLEANING

Clean immediately after use with water and a mild soap.

STORAGE

Store in a cool, dry place, protected from frost. Once the product has been removed from its container/ or diluted, the material cannot be stored. For best results turn container upside down to help prevent air infiltration via the paint can lid to prolong shelf life.

SHELF LIFE

Follow guidelines in STORAGE section. Romabio Marmorino Flat should last approx 24-36 months, if stored at temperatures between +40° F and +90° F and according to suggestions above. ROMABIO cannot guarantee the shelf life of the product.

DRYING TIME

Drying (at 75 °F and 65% U.R.): touch-dry in 3 hours; can overcoat after 6 hours approx., depending on the thickness.

CONDITIONS FOR APPLICATION

- Air temperature: Min. +50 °F / Max. +90 °F
- Surface temperature: Min. +50 °F / Max. +90 °F
- Relative humidity of the air: <80%.
- Surface Humidity: <10%
- Avoid applying where there is surface condensation
- Do not apply to freshly painted surfaces, plaster or uncured cement mortar (wait at least 4 weeks/ 28 days)

MIXING & DILUTION

Marmorino Flat is ready to use. Prior to utilizing ready-to-use masonry products from new buckets, it is highly recommended to mix product with a drill and masonry paddle to prep material for easier removal and application. Mixing masonry products with a drill properly mixes water content and heats up the material so it renders it more pliable.

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PRODUCT LIMITATIONS

- Do not apply to freshly painted surfaces, plaster or uncured cement mortar (wait at least 4 weeks for fresh mortar)
- This plaster product is not oil proof, and can be damaged by foods, greases, body oils, color crayons or washable colored markers. Cleaning may damage or change the sheen of the paint.
- Applying too much heat during burnishing can cause burns/streaks which may be visible on lighter colors. You can use a plastic or plexiglass trowel for the last coat if you desire. Be careful not to overapply pressure however as they are not as durable as stainless steel. Keep in mind that more pressure means a glossier finish and choose your tools accordingly.

APPLICATION TYPE OVERVIEW

- **New Sheetrock or Cementitious Board:** It is advisable to apply first one (1)-coat of Medium Grip with a brush or roller. Allow to dry for 8 – 12 hours.
- **Painted Sheetrock or Cementitious Board:** If compact, not chalking and cohesive, it is advisable to apply first one coat of Medium Grip with a brush or roller and allow to dry for 8 – 12 hours.
- **Concrete Surfaces:** It is advisable to apply first one coat of Medium Grip with a brush or roller. Allow to dry for 8 – 12 hours.

In case of new concrete the surface must be cured for at least 21 days . The application on Concrete surfaces has a decorative function only

SUBSTRATE PREPARATION

(T=77°F, UR=60%) The substrate must be perfectly smooth, dry, dust-free, free from moisture & salt stains. If the surfaces are chalking, peeling or not cohesive it is always advisable to consolidate first with a coat of EcoForte pre-primer.

General Guidelines: Brush or remove any efflorescence and old peeling paint. Higher layers of old lime-based paint and tempera paint must be removed. Brush out dust, smog or other deposits before the application.

New Lime-based Masonry Surfaces: We recommend moistening the surface and applying Marmorino Flat directly with steel trowel

Compact & Non-Chalking Masonry Surfaces: It is advisable to apply first one coat of MediumGrip Primer with a brush roller. Allow to dry for 8 – 12 hours.

Irregular, Rough & Chalking Masonry Surface: It is advisable to apply first one (1)-coat of MediumGrip Primer with a brush or roller. Allow to dry for 8 – 12 hours. In case of chalking or peeling, remove those areas and apply 1 coat of EcoForte pre-primer with a brush before applying the primer.

GENERAL APPLICATION

With the exception of lime-based substrates (such as lime-based plasters or skim coats), the surface must be perfectly dry, mold-free, dust-free, with no humidity and salt stains. Resurface or consolidate the surface with specific products if necessary. **Read SUBSTRATE PREPARATION thoroughly.**

- Over dry & properly prepared substrates, apply one layer of Romabio MediumGrip, diluted 25% (1 part product to ¼ part clean water), with a brush or roller. Allow to dry 8-12hrs.
- Apply one coat of Marmorino Flat with a stainless steel trowel smoothing the whole surface and before it dries out completely, removing any imperfections and/or any exceeding amount of product.
- Once the surface is completely dry, apply a second layer of Marmorino Flat. Before it dries out, face with a stainless steel trowel, loaded with very little product to fill the empty pores and obtain an even but smooth surface, to obtain an even but smooth surface.
- In order to achieve a satin effect, you can burnish out the surface still wet with a stainless steel trowel for stucco. To obtain an even and smooth effect, compact the surface almost dry with a stainless steel trowel.
- In the case of highly absorbent surfaces or very hot temperatures, keep the surface moist (not soaked) by spraying nebulized water with a special nebulizer.

PROTECTION & CONSOLIDATION

After 48hrs of drying time you can apply a Romabio protectant.

- **For Interior Surfaces:** Romabio PLASTER WAX provides a sacrificial layer and when dirty and worn can be easily removed leaving the surface as new and ready for a new coat of protective wax. The wax allows protection against water absorption both outside (sheltered and vertical surfaces) and inside, easy cleaning from dust and good protection from stains provided they are removed immediately. Also fixes any granules formed from streaking. If it is the first time after Marmorino Flat has been made, the wax must be applied by a professional.
- **For Exterior Surfaces:** Romabio MINERAL SHIELD is an invisible, water repellent, breathable topcoat that protects your finish from damage or weathering created by water without changing the sheen of the finish or texture of the surface. Fully impregnate the finish to full imbibation. Check occasionally to see if a simple reapplication is needed.

DISPOSAL

Do not enter product in its original concentration into drains or open waters. Do not store at public waste disposal sites. In case of conduction into adapted biological purification plants no disturbances need be expected. The preparation has been estimated by conventional method (calculated-procedure) of EG directive 1999/45/EG and is classified as non-hazardous for the environment. Dispose according to local regulations. Empty cans should be disposed of according to local regulations; plastic buckets are 100% PP, no. 5, approved for food storage; 100% recyclable if cleaned thoroughly prior to recycling.

WATER CONTAMINATION HAZARD

Class 1

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of information required by the CPR, and it is classified as a non-hazardous material.

PRODUCT CONTAMINATION HAZARD

CODE CER / NORMATIVE EAC / Decision commuted by the Commission n. 2000/532/CE

SECURITY PROCEDURES

EU Directive 2004/42/CE:

Marmorino Flat (paint for decorative effect) EU limit value for Marmorino Flat (cat A/l):200 g/l (2010) Marmorino KS contains 200 g/l of VOC maximum.

Irritating. / Risk of serious damage to eyes. / Irritating to the skin. / Keep out of children. / Avoid contact with eyes. / In case of contact with eyes, clean immediately with water and consult a doctor. / Wear suitable gloves and eyes / face protection. / In case of ingestion of the products, consult immediately a doctor showing him the can or the label of the product Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments. The product must be transported, used and stored according to current standards of hygiene and safety; after the use, do not litter, let the remaining product dry properly and then treat it as special litters.

For further information consult the safety data sheet.

NOT DANGEROUS

The directive 75/442/CEE, 08 01 production, disposal, formulation, supply, use, and removal of paints and varnishes: 10 13 04 for removal of paints and varnishes; 10 13 04 disposal of lime and hydrated lime products.

MANUFACTURER

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TECHNICAL DATA

CRITERIA	INT. STANDARD	VALUE	Unit
TVOC & VOC	2004/42/CE	>1	g/l
Water Absorption Coefficient	EN 1062-3 – DIN 52617	0.25	kg/(m ² ·h)
Vapor Permeability	DIN 53122 DIN 52615-DIN 18550 – EN ISO 7783-2	0.07 Sd	g/m ² = 0.05 μ
pH Value	DIN 19266	12- 13	–
Natural Resistance to Mold	UNI 9805 – UNI 10795	Yes	–
Mineral Finish	DIN 55945	< 3.5%	Thickening Agent
Specific Gravity (23°C)	EN ISO 2811-2	1.7	Kg/ml
Granulation	DIN 19643	0.4	mm
Gloss Level	UNI EN ISO 2813	< 5	Flat
Natural Paint Lime Base NHL 3.5	DIN 18363 – UNI EN 459	10	%
Reaction to Fire	EN 13501-1:2002	A2 s1 d0	Incombustible
Toxicity	CEE 88/379	Non-Toxic	–

WARNING!

Do not apply any products in direct exposure to strong/hot sunlight, rain, mist, high humidity (> 80%), at dew-point formation, or in the presence of strong wind. Beware of the danger of frost overnight. If applied by roller or sprayer, protect surrounding surfaces as necessary. Protect eyes and skin from splashes of paint. Cover glass, ceramic, natural stone, brick, metal, wood, painted surfaces and glazed tiles. Clean affected areas immediately with water. Prominent elements lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

WARNING

Keep out of reach of children. In case of contact with eyes and skin, wash immediately with plenty of water. In cases of consumption, consult a Doctor or call the CDC Poison Center. 1-800-222-1222.

This Technical Sheet lists general data collected on the basis of technique and experience. Given the multiplicity of use of the product they cannot be binding and the user can not refrain from using common sense and experience for the individual case. This information shall not constitute any legal obligation and no obligation from the seller or point of purchase, or any agreements inferred by employees who sale this product. Insurance or guarantees issued by our employees or employees should always be confirmed separately in writing. Any information about product adaptability and use of the product, must be verified by user prior to purchase. Check the exact consumption of product for the surface where product may be applied to determine amount of products needed. **The color matching must be verified by the user before starting work. No refunds or exchanges will be provided for tinted products after they have been consumed or applied.**

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