



STUCCO ITALIANO SRL

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Technical Data sheet

VENETIAN MARMORINO MEDIUM

Fine natural mineral lime finish



Green LEED Certification

This product has the American Green Leed Certificate of sustainable material using recycling or pre-consumer material till 27% of the total weight

Name	<i>VENETIAN MARMORINO MEDIUM</i>	
Description	natural mineral lime base wall covering for fine decorative finish on interior and exterior surfaces.	
Composition	aged, finely filtered slaked lime putty, special powdered marble granules sifted and selected according to granule size of 000 = mm. 0.0 ÷ 0.5, water and special additives (no more than 2,2% total in wet volume)	
Type of Surface to be Covered		
New	plaster gypsum plasterboard medium density	no priming necessary one coat of Quartz Primer one coat of Quartz Primer one coat of Quartz Primer

Old	old plaster distemper/fast-drying	one coat of Quartz or Normal Primer brush down thoroughly and one coat of Normal Primer
	limewash polished lime finish	brush down thoroughly sandpaper, brush down and one coat of Quartz Primer
Performance	excellent decorative effect excellent drying capacity excellent natural anti-mould and mildew high adhesion to support excellent coating capacity excellent filler properties excellent workability	
Appearance	very smooth and satiny with pleasant faceted surface	
Colours	white, but you can tint any colour from our chart of Colouring System	
Packaging	24 kg. net	polyethylene container
Packaging	16 kg. net	polyethylene container
Packaging	8 kg. net	polyethylene container



TECHNICAL DATA

Application	by hand, with a steel trowel
Dilution	none: ready-to-use paste
Theoretical Yield	- gr/m ² 1.400 ÷ 1.500 in three coats
Drying (carbonation)	3 hours at 20°C to the touch 48 hours at 20°C below the surface 180 days stable
Application Temperatures	min. 5 max 30°C - U.R. < 85 % ca.
Specific weight	1,560 ± 50 (gr/LT.)
Volumetric Mass	1,670 ± 60
Viscosity	200,000 ± 25,000 CPS = 20° C (white)
Fade resistance	resistant/non-resistant (ASTM norms)
pH after 30 days	12.5 ± 0,20
Vapour resistance	α 24 ± 2 average (ASTM norms)
Vapour permeability	gr/m ² x 24 h = 260 ± 30 (ASTM norms)
Coat Thickness	1,1 ÷ 1.6 mm. total 3 coats
Inflammability	Fire, Smoke & Explosive hazards Fire Growth Rate Index-04: Class O British and Class B Euroclass Smoke Growth Rate Index: Class O British and Class B Euroclass Non combustible material. Tests carried out in accordance with BSEN 13823:2002
Mold/Mildew Resistance	ASTM D 3274 – “Standard Test Method to evaluate the degree of surface disfigurement of paint by microbial, fungal and algal growth Result: Front Panel 10/10/10 Back Panel 10/10/10 = no growth
Scrub Test Resistance	ASTM D 2486-06 method A . It was used scubing fine sand + metallic brush for >10.000 cycles
Impact Test	UNI EN ISO 6272-2-2006. A 1 kg doming punch was dropped from different heights and only at the height of 9 cm., it left a 6.0 mm. dent in the surface and a tiny crack appeared around its circumference.

VOC Classification	As per Dir. 2004/ 427 EC, Cat . A/c: Paints for exterior walls of mineral substrate. Eu limit 75 g/l (2007) 40 g/l (2010). This product contains 0 g/l of VOC.
Hardness by Pencil Test	ASTM D3363- Pencil hardness 6H
Shore Hardness	Norm ASTM 2240 average.
Adhesion	Norm UNI EN 13892-8 2004 average value = 2,0
Shelf Life	48 months
Storage Suggestions	Product maintains its characteristics best if protected from extreme heat or cold. Avoid freeze.
Safety Norms	Lime products are caustic. In case of contact with eyes or skin, rinse thoroughly with water. Keep out of reach of children.
Disposal	Product must be disposed of according to norms and regulations in force. Containers must be sent for recycling.

APPLICATION INSTRUCTIONS

VENETIAN MARMORINO should be applied to plaster (rough or smooth, new or not insulated). Already painted surfaces require a thorough brushing down to remove dust and uneven parts. Where necessary, use a brush or roller to apply a coat of **Quartz Primer** diluted with water up to about 40% in volume to be used, ca. gr/m^2 150÷200, or **Normal Primer** diluted 1 to 7/8 with water. Apply at least three coats of Marmorino with a steel trowel.

NOTE: - water on the surface of the material into the bucket is normal, and should be removed before use or addition of colorants.

- all lime-based products lose their viscosity when shaken, and need a period of 6/12 hours after mixing to regain their density. The product is very dense, and ready for use, thus it may be necessary to use an appropriate drill attachment to stir for a few minutes to reduce viscosity. Choose the colour. Add all of the **COLOUR ADDITIVE** to the container and continue mixing until a homogeneous shade is obtained. Let the product rest for 5 hours before using.

1) First coat of **VENETIAN MARMORINO MEDIUM**: use ca. 800 ÷ 900 gr/m^2 . This coat is applied directly to the plaster, taking care to apply it evenly so as to smooth out any imperfections in the ground.

2) Second coat of **VENETIAN MARMORINO MEDIUM**: apply when the FIRST coat is dry. Use ca. 500 ÷ 600 gr/m^2 , taking care that the surface is as smooth and groove-free as possible, but **DO NOT POLISH** as this will cause problems for the adhesion of the final finish coat.

3) Third coat of **VENETIAN MARMORINO MEDIUM**: Use ca. 100 ÷ 150 gr/m^2 . Apply before the second coat is completely dry, that is **WET INTO WET**, so that the granules of marble penetrate into the previously applied coat. With this hand, proceed with the final smoothing and polishing. For greater polish, go over the surface repeatedly with the trowel .

N.B.: For exteriors, do not apply this product on windy or rainy days in order to obtain a continuous coat without linear interruptions on the wall.

PROTECTING SURFACES AGAINST DIRTY

INTERIORS After a minimum of 48 hours, at least one coat of the following can be applied:

- A) **MARSEILLE** protective coating with a steel trowel. Use ca. 30 ÷ 50 gr/m^2 . After 48 hours, go over the surface with a cloth to remove the coat of surface powder produced by unabsorbed soap.
- B) a coat of **WAX** (Natural Bee's wax) applied with a sponge. Use ca. 30 ÷ 50 gr/m^2 . After a little, before it dries, rub vigorously with a woollen or soft cloth to obtain an even polish.

C) EXTERIORS

after at least 72 hours at a minimum of 30°C, proceed with colourless, penetrating **HYDROCALCE**, developed to protect exterior plaster coverings. Use a brush to apply two coats of ca.150-200 gr/m²

We have drawn up the material presented above to the best of our technical and experiential knowledge. Nevertheless, our suggestions and recommendations are not guaranteed. We reserve the right to make modifications to the present information without previous warning.