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Technical Data sheet

VENETIAN MARMORINO FINE (CLASSIC)

Fine natural mineral lime finish

Name	<i>VENETIAN MARMORINO FINE</i>	
Description	natural mineral lime base wall covering for fine decorative finish on interior and exterior surface.	
Composition	aged, finely filtered slaked lime putty, special powdered marble granules sifted and selected according to granule size of 000 = mm. 0.0 ÷ 0.05, water and special additives (no more than 2,0% total in wet volume)	
Type of Surface to be Covered		
New	plaster	no priming necessary
	gypsum	one coat of Quartz Primer or Normal Primer
	plasterboard	one coat of Quartz Primer or Normal Primer
	medium density	one coat of Quartz Primer or Normal Primer
Old	old plaster	one coat of Quartz or Normal Primer
	distemper/fast-drying Primer	brush down thoroughly and one coat of Normal
	limewash	brush down thoroughly
	polished lime finish	sandpaper, brush down and one coat of Quartz Primer
	washable paint	one coat of Quartz Primer



TECHNICAL DATA

Application	by hand, with a steel trowel
Dilution	none: ready-to-use paste
Theoretical Yield	- gr/m ² 800 ÷ 1,000 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	μ 24 ± 2 average (ASTM norms)
Vapour permeability	gr/m ² x 24 h = 260 ± 30 (ASTM norms)
Coat Thickness	0.80 ÷ 1.20 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 = was used scubing fine sand + metallic brush for 6500 cycles
Impact Test	UNI EN ISO 6272-2-2006. 1 kg doming punch was dropped from different heights and only at the height of 8 cm., it left a 5.5 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	ASTM D3363- Pencil hardness 5H
Shore Hardness	Norm ASTM 2240 average 70

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.

INSTRUCTIONS FOR VENETIAN *MARMORINO*

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 30% in volume to be used, ca. gr/m² 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 about 5 hours before using.**

A) VENETIAN *MARMORINO* FINE

1) First coat of **VENETIAN *MARMORINO* FINE**: use ca. 550 ÷ 600 gr/m². This coat is applied directly to the plaster, taking care to apply it evenly so as to smooth out any imperfections in the ground. **VERY IMPORTANT: THIS COAT HAS NOT TO BE SHINE IN ANY PART** or you can have problems of low adesion and distaching problems when polishing the final coat.

2) Second coat of **VENETIAN *MARMORINO* FINE**: apply when the first coat is dry. Use ca. 250 ÷ 300 gr/m², 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* FINE**: apply when the **SECOND** coat is dry. Use ca. 100 ÷ 150 gr/m². This is the finish coat, to be gone over a number of times with the trowel so as to polish the surface. The wall becomes shiny by pressure applied to the blade of the trowel on the wall.

B) VENETIAN *MARMORINO* FINE WITH MEDIUM *MARMORINO* AS FIRST COAT.

1) First coat of **VENETIAN *MARMORINO* MEDIUM**: use ca. 900 ÷ 1000 gr/m². This coat is applied directly to the plaster (background), taking care to apply it evenly so as to smooth out any imperfections in the ground.

2) Second coat with **VENETIAN *MARMORINO* FINE**: apply when the **FIRST** coat is dry. Use ca. 350 ÷ 400 gr/m², 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 with **VENETIAN *MARMORINO* FINE**: apply when the **SECOND** coat is dry. Use ca. 100 ÷ 150 gr/m². This is the finish coat, to be gone over a number of times with the trowel so as to polish the surface. The wall becomes shiny by pressure applied to the blade of the trowel on the wall.

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/m². 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** applied with a sponge. Use ca. 30 ÷ 50 gr/m². 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. 300 ÷ 500 gr/m².

Vicenza, 30 March 2012

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.