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## Technical Data sheet

# VENETIAN MARMORINO FINE (CLASSIC)

**Fine natural mineral lime finish**

|                               |  |   |
|-------------------------------|--|---|
| Name                          | <b><i>VENETIAN MARMORINO FINE</i></b>  |   |
| 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 <b>Quartz Primer or Normal Primer</b>   |
|                               | plasterboard   | one coat of <b>Quartz Primer or Normal Primer</b>   |
|                               | medium density   | one coat of <b>Quartz Primer or Normal Primer</b>   |
| Old                           | old plaster  | one coat of <b>Quartz or Normal Primer</b>          |
|                               | distemper/fast-drying<br><b>Primer</b>   | brush down thoroughly and one coat of <b>Normal</b> |
|                               | limewash   | brush down thoroughly                               |
|                               | polished lime finish   | sandpaper, brush down and one coat of <b>Quartz</b> |
|                               | washable paint   | <b>Primer</b><br>one coat of <b>Quartz Primer</b>   |





## TECHNICAL DATA

|                                     |   |
|-------------------------------------|---|
| <b>Application</b>                  | by hand, with a steel trowel  |
| <b>Dilution</b>                     | none: ready-to-use paste  |
| <b>Theoretical Yield</b>            | - gr/m <sup>2</sup> 800 ÷ 1,000 in three coats  |
| <b>Drying<br/>(carbonation)</b>     | 3 hours at 20°C to the touch<br>48 hours at 20°C below the surface<br>180 days stable   |
| <b>Application<br/>Temperatures</b> | min. 5 max 30°C - U.R. < 85 % ca.   |
| <b>Specific weight</b>              | 1,560 ± 50 (gr/LT.)   |
| <b>Volumetric Mass</b>              | 1,670 ± 60  |
| <b>Viscosity</b>                    | 200,000 ± 25,000 CPS = 20° C (white)  |
| <b>Fade resistance</b>              | resistant/non-resistant (ASTM norms)  |
| <b>pH after 30 days</b>             | 12.5 ± 0,20   |
| <b>Vapour resistance</b>            | ∝ 24 ± 2 average (ASTM norms)   |
| <b>Vapour<br/>permeability</b>      | gr/m <sup>2</sup> x 24 h = 260 ± 30 (ASTM norms)  |
| <b>Coat<br/>Thickness</b>           | 0.80 ÷ 1.20 mm. total 3 coats   |
| <b>Inflammability</b>               | <b>Fire, Smoke &amp; Explosive hazards</b><br>Fire Growth Rate Index-04: Class O British and Class B Euroclass<br>Smoke Growth Rate Index: Class O British and Class B Euroclass<br>Non combustible material.<br>Tests carried out in accordance with BSEN 13823:2002 |
| <b>Mold/Mildew<br/>Resistance</b>   | ASTM D 3274 – “Standard Test Method to evaluate the degree of surface disfigurement of paint by microbial, fungal and algal growth<br>Result: Front Panel 10/10/10 Back Panel 10/10/10 = no growth  |
| <b>Scrub Test<br/>Resistance</b>    | ASTM D 2486-06 method A = was used scubing fine sand + metallic brush for 6500 cycles   |
| <b>Impact<br/>Test</b>              | 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.   |
| <b>VOC<br/>Classification</b>       | 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.  |
| <b>Hardness by Pencil</b>           | ASTM D3363- Pencil hardness 5H  |
| <b>Shore Hardness</b>               | Norm ASTM 2240 average 70   |

|                            |  |
|----------------------------|--|
| <b>Adhesion</b>            | Norm UNI EN 13892-8 2004 average value = 2,0   |
| <b>Shelf Life</b>          | 48 months  |
| <b>Storage Suggestions</b> | Product maintains its characteristics best if protected from extreme heat or cold. Avoid freeze.                             |
| <b>Safety Norms</b>        | Lime products are caustic. In case of contact with eyes or skin, rinse thoroughly with water. Keep out of reach of children. |
| <b>Disposal</b>            | 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/m<sup>2</sup> 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/m<sup>2</sup>. 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 adhesion 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/m<sup>2</sup>, 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/m<sup>2</sup>. 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/m<sup>2</sup>. 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/m<sup>2</sup>, 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/m<sup>2</sup>. 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/m<sup>2</sup>. 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/m<sup>2</sup>. 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/m<sup>2</sup>.

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.