**Description**

MARMORINO PUNTINATO is a natural and ecological covering prepared with aged lime-putty mixed with marble powder. It is suitable for the decoration and protection of internal and external wall surfaces of both historical buildings and new construction.

It is used in plastic decoration and as a finishing plaster. When it is applied in a way so as to imitate the material and glossiness of marble, it is called stucco.

**Characteristics**

Easy to use, it has excellent covering power and offers a natural resistance to the attack of moulds and bacteria.

Perfectly stable over time, it binds completely with the wall surface on which it is applied, maintaining the natural breathability of the surface. The product has an extremely low level of Volatile Organic Compounds VOC.

**Composition**

Lime-based putty, seasoned for 6 months and filtered, colouring earths, selected marble powders, cellulose and latex, (1,50% maximum dry residue) for a homogeneous mixture.

**Surfaces**

MARMORINO PUNTINATO should be applied on dry, non-flakey surfaces exempt of salts and humidity. See table below.

**Preparation of surfaces**

On new surfaces treated with lime, no pre-treatment is necessary; on already painted or deteriorated surfaces, it is necessary to remove the existing paint which presents problems of adhesion with the surface, fill any cracks with filler and apply a coat of fixer **Isoquarz IS/0255** or **Soluzione alla Caseina** **PL/1182** to even-off the surface.

After having applied the fixer, wait 24 hours before applying a first coat of MARMORINO PUNTINATO.

**Preparation of mixture**

The product is ready to use. Any presence of water on the surface is considered normal and should be removed before use.

**Application**

Do not apply on hot surfaces, in direct sunlight or on a windy day. It is a natural product, therefore it is possible that there are differences in colour from one production batch to another, for this reason we recommend using only product from one production batch for the final coat.

Do not apply at a temperature below +5°C or above +35°C.

**First coat**

Consumption: about 1.000 - 1.200 g/m²

Apply in a uniform manner

**Second coat (after 24 hours)**

Consumption: about 400 - 600 g/m²

Apply the second coat when the first coat is dry, making sure it is evenly spread, smoothing and pressing correctly in order to obtain a flat finish without lumps.

**Third coat and polishing**

Consumption: about 100 - 200 g/m²

Proceed «wet on wet» when the second coat is still not completely dry in order that the pressure of the steel spatula enables good penetration of the mineral elements into the surface.

In the drying phase, proceed with smoothing with steel spatula to obtain a gloss effect.

Glossiness is obtained from the pressure between the blade of the steel spatula and the surface.

**Colours**

MARMORINO PUNTINATO is supplied in the base colour of white.

Starting with the base colour, various colours can be obtained by adding appropriate earth colours, oxides or colouring pastes.

When creating colours, before applying the colouring agent, it is necessary to diminish the viscosity of the mixture by using a mechanical stirrer.

If powder colorants are used, let them soak in water, then, if necessary, filter the paste obtained. Add the colouring agent while continuously stirring in order to obtain a homogeneous mixture.

**Protective finish**

Product:

**Sapone di Marsiglia PA/0605**

Consumption: about 30 - 60 g/m²

Allow the surface to be treated to dry for at least 24 hours, (in any case, until completely dry) then proceed with the application of the protection with a steel spatula, applying the product continuously, wet on wet until completely absorbed. After a further 48 hours, pass over with a cloth to remove the film of surface soap that has not been absorbed.

**Product:**

**Cera all’acqua saponificata CE/0303**

Consumption: about 10 - 14 m²/ lt.

Allow the surface to dry for at least 24 hours, (in any case, until completely dry) proceed with the application of the wax with a steel spatula, ensuring an even application. Before completely dry (after about 30 minutes but not more than 2 hours), polish-off with a cotton cloth to obtain a gloss effect.

Consult the technical data sheet of the product.

Storage

The product maintains its characteristics unaltered for a period of 24 months if protected from excessive heat and cold. The temperature of storage should be between +5 °C and + 30 °C.

**Health and safety regulations**

Ventilate during application.

Avoid contact with skin and eyes, in case of contact wash immediately with plenty of water.

Keep out of the reach of children.

As regards the evaluation of toxicological data, please see the safety data sheet.

**Disposal**

Dispose of the product according to local health and safety regulations. Empty containers must be recycled.

**New wall surfaces**

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| --- | --- |
| **Surface of application** | **Preliminary treatment** |
| Finishing plasters | No treatment |
| Smoothed plasters | No treatment  |
| Mediumdensity | A coat of **Isoquarz** |
| Platerboard  | A coat of **Isoquarz** |
| Plaster | A coat of **Isoquarz** |

**Old wall surfaces**

|  |  |
| --- | --- |
| **Surface of application** | **Preliminary treatment** |
| Finishing plasters | Thorough brushing |
| Tempere | Thorough brushing |
| Breathable finishes | Thorough brushing and a coat of **Isoquarz** |
| Non-treated Lime-based finish  | Thorough brushing and a coat of **Isoquarz** |
| Lime-based gloss finishes with soap finish | Thorough brushing and a coat of **Isoquarz** |
| Lime-based gloss finishes with wax protection | Thorough brushing and a coat of **Isoquarz** |
| Washable paints | A coat of **Isoquarz** |

**Technical data**

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| --- | --- |
| Appearance | satin |
| packaging | Plastic buckets of 24 kg nett |
| Tools for application | Stainless steel spatula  |
| Specific weight | 1,56 ± 0,05 Kg/l |
| Theoretical consumption | 1,50 ÷ 2,00 Kg/m2 for three coats |
| Granulometry curve | 0,02 ÷ 0,70 mm |
| Thickness of coat | 1,00 ÷ 1,30 mm for three coats |
| Surface drying | 5 hours with room temperature 20°C |
| Thorough drying | 48 hours with room temperature 20°C |
| Stable carbonation  | 180 days |
| Further application | 6 hours with room temperature 20 °C |
| pH after 30 days | 12,5 ± 0,2 |
| Permeability to vapour (Sd) | Excellent |
| **Volatile Organic Compounds VOC** | **0,28 gr/lt.**  |

 Date: 11/11/19