



## **SUPERFINE LIME-BASED PLASTER** **(Intonachino a Calce Superfine)**



### **Description**

Mineral-based plaster, either white or coloured, for internal and external use, suitable for prestigious decorative work on historical buildings as well as new buildings. The plaster should be applied preferably on breathable surfaces that have characteristics of high permeability. The product has a very low content of volatile organic compounds (VOC), is odourless and environmentally friendly.

### **Characteristics**

Resistant to moulds and bacteria, lime-based plaster is one of the best disinfectants that exists in nature and therefore its presence in the product is a guarantee against decay.

Completely breathable, given the high percentage of slaking and also because of the absolute absence of chemical or resin bonding agents.

Its thickness allows it to hide slight imperfections present on the wall surface, giving them a pleasant, aesthetically aged effect.

It bonds completely with the wall surface on which it is applied, maintaining the natural breathability of the wall.

Resistant to atmospheric agents, the reaction of carbonation of the slaked lime progresses slowly improving over time, the characteristics of the mechanical resistance of the finish.

Resistant to UV rays, the exclusive use of natural earth colours guarantees a high resistance to light and inimitable colours. Minimum thickness of application: 2-3 mm

### **Composition**

Mineral based bioecological product, ready to use. Prepared with aged slaked lime, natural earth colours, selected inert carbonates and cellulose fibres.

### **Surfaces**

INTONACHINO ALLA CALCE must be applied on dry plaster surfaces, well-seasoned (at least 28 days), without flakes and exempt from salts and humidity..

### **Preparation of surfaces**

On new surfaces, no pre-treatment is necessary. Before applying

the product, the surface must be adequately moistened with clean water. On walls that are already painted and/or deteriorated, remove the existing paint and apply a coat of **Isoquarz (IS/0255)** (24 hours before applying the finish).

### **Application**

The product is ready to use and does not require diluting. Do not apply at temperature below +5°C or above +35°C or when the humidity of the atmosphere is >80%. After having thoroughly stirred the product in the bucket with a steel trowel, proceed to apply the product uniformly with a trowel. In order to obtain the best possible results, we recommend the application of two coats. The first coat is applied as a primer and as soon as it is dry and before any humidity can interfere on the surface, the second coat is applied as the final coat. To obtain a rustic or aged effect, a sponge can be used. Protect the surface from rain after the first 24 to 48 hours from application.

Wash all tools with water immediately after use.

### **Warning**

Do not add cement to the product, Ensure the surface to be covered is stable. Do not apply on hot surfaces, on windy days or if there is direct sunlight on the surface Do not apply in winter. We also recommend to thoroughly moisten the surface. If the surface area to be covered is very large, we recommend the division into smaller areas by using adhesive tape which can be then removed to allow a uniform appearance of the whole surface. Owing to the fact that it is a natural product, there may be variations in colour and tone from one production batch to another. It is advisable to procure the amount needed in one single purchase. Protect doors, windows and any other items that should not be painted Any stains or splashes should be immediately removed with water.

### **Yield**

**Superfine** (0/0,5 mm)  
about 1,8 – 2.3 Kg/m<sup>2</sup> per coat

**Fine grain** (0/0,7 mm)  
about 2 – 2.5 Kg/m<sup>2</sup> per coat

**Medium grain** (0/0,7 mm)  
about 2 – 2,5 Kg/m<sup>2</sup> per coat

**Large grain** (0/1,2 mm)  
about 2,5 – 3Kg/m<sup>2</sup> per coat

### **Equipment for application**

INTONACHINO A CALCE should be applied with a steel trowel and finished with a sponge.

### **Packaging and storage**

Plastic buckets of 5 and 25 Kg INTONACHINO A CALCE must be stored in the original containers which must be well-sealed. It is stable for at least 24 months as long as the temperature is not inferior to +5°C or superior to +30°C.

### **Health and safety regulations**

Ventilate during application. Avoid contact with the eyes and skin, In the case of contact, wash immediately and abundantly with water. Keep out of the reach of children. Concerning data on toxins, please see the health and safety data sheet.

### **Disposal**

Dispose of the product according to local regulations. Empty containers must be re-cycled.

### **Classification norm UNI EN 1062 - 1**

Products and paint systems for external walls and cement surfaces. INTONACHINO ALLA CALCE has been tested at the GFC chemical laboratory. The test results in the following tables are documented in the test reports 256L of 18.12.2008 and 015/L of 28.01.2009.

The advice and indications given above are based on our experience and are of an informative nature only and do not bind us to any responsibility. The application of the product takes place without our direct control therefore the user takes all responsibility for use. Our technical support team is available for any further information that might be necessary.



## SUPERFINE LIME-BASED PLASTER

### Classification

Classification for external use	Result
For final use	Decoration-protection
By type of chemical binding agent	Slaked lime plaster
By state of solution or dispersion of binding agent	Soluble in water
Glossiness	Matt (Class G3)
Granulometry	Very large (Class S4)
Level of water transmission (permeability)	High (Class W1)
Level of transmission of water vapour (permeability)	High (Class V1)
Reaction to fire	(Class 0)

### Technical characteristics

<b>Density</b> (UNI EN ISO 2811-1:2003)	1.73 gr/ml
<b>Rotational viscosity</b> (work method ML025_2:20085 developed according to UNI EN ISO 2555:2002 norm)	30000 cPs
<b>EU Classification</b> Volatile organic compounds VOC Category A/c level limit of VOC : 40 g/l	VOC = 1,00 gr/l
<b>Content of dangerous substances</b> - <b>does not</b> contain heavy metals such as cadmium, lead, chromium VI, mercury and arsenic, - <b>not classified</b> as very toxic, toxic, dangerous for the environment, carcinogenic, toxic for reproduction or mutation - <b>does not contain</b> components that are dangerous for the environment, alkylphenoethoxylates, monomethyl ether of diethylene glycol. It also contains less isothiazolone compounds than the maximum permitted (15 ppm) and does not contain free formaldehyde. None of the ingredients are classified as very toxic, toxic, dangerous for the environment, carcinogenic, toxic for reproduction or mutation.	

On request, it is possible to reduce the absorption of water of INTONACHINO ALLA CALCE by applying the water-repellent coating of **Nippolin Idro-Rep (IR/0330)** on the surface, ensuring that it is completely dry before application.

The application of a coat of Nippolin **Idro-Rep** as it is, that is, without diluting it, reduces the absorption of water leaving the permeability to water vapour of the surface unaltered.

The application of **Nippolin Idro-Rep** can darken the colour of INTONACHINO ALLA CALCE, therefore, before application, we advise a preliminary test on a small area.

### INTONACHINO A CALCE with Nippolin Idro-Rep

Description	Result
Level of transmission of water (permeability)	Medium (Class W2)
Level of transmission of water vapour (permeability)	High (Class V1)

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