

Technical data sheet CC/0070



MINERALSTUC

Lime-based plaster for decorative work



Description

MINERALSTUC (Marmorino in powder) is a natural and ecological wall coating. Easy to apply, its capacity to become uniform is excellent and it offers a natural resistance to attack from moulds and bacteria.

Characteristics

MINERALSTUC allows the creation of the **Tadelakt** effect, with aesthetic and technical qualities that are very similar to the original tadelakt.

MINERALSTUC is suitable for decorating internal and external wall surfaces.

It is perfectly stable over time. It maintains the permeability of the surface thanks to its important permeability to water vapour.

Composition

MINERALSTUC : Natural hydraulic lime NHL 3,5, hydrated lime, white titanium oxide, calcium carbonate, methylcellulose and binding additive.

Surfaces

MINERALSTUC should be applied on dry, non flaky surfaces that are exempt from salts and humidity.

See the table below.

Preparation of surfaces

On new surfaces prepared with lime, no pre-treatment is necessary.

On already painted surfaces and/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 **Isoquartz IS/0255** or **Soluzione alla Caseina PL/1182** to create a uniform surface.

After applying the fixer, wait 24 hours before applying a first coat of MINERALSTUC

Colours

MINERALSTUC is supplied white as standard.

With the addition of natural coloured earths or appropriate colour pastes, a vast range of colours can be obtained.

Preparation of the mixture

Add about 6.5 – 7.5 litres of clean water (30%) to MINERALSTUC continuing to stir until the product is completely mixed. After obtaining a fluid compound, allow to settle for some minutes and stir before use.

If powder colorants are being used (earth colours, oxides...) dissolve in water and filter if necessary.

For improved dispersion of the pigment in the water, we recommend adding a percentage of about 20-50% of **Pentasol TR/1000** to the water in which the pigment is being mixed. The product facilitates the humidification of the pigments and diminishes the viscosity, increasing the colouring power.

Application

Do not apply on frozen, wet or very hot surfaces, on windy or very hot days.

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

Do not add other materials to MINERALSTUC.

First coat

Consumption : about 1000-1200 g/m²

Ensure application is made in a homogeneous manner.

(After 24 hours) Second coat

Consumption : about 400 - 600 g/m²

Apply the second coat when the first coat is dry, ensuring the surface is smooth and flat without any ripples.

Third coat and polishing

Consumption : about 100 - 200 g/m²

Proceed «fresh on fresh », when the second coat is not completely dry, in such a way that the pressure of the stainless steel spatula enables the penetration of the marble granules into the preceding layer.

During the drying phase, proceed with polishing to obtain a gloss effect.

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

Technical data sheet CC/0070



MINERALSTUC

Lime-based plaster for decorative work



The level of gloss depend on the pressure applied between the stainless steel blade and the surface.
When the coat is dry to the touch, it is possible to polish with a smooth flat pebble (small circular movements).

Protective finish

Product : **Sapone di Marsiglia (Soap of Mareilles) PA/0605**

Consumption : about 30 - 60 g/m²

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

Product : **Cera all'acqua saponificata (wax in soaped water) 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 a homogeneous application. Before it has completely dried (after about 30 minutes but before 2 hours) pass over with a cotton cloth to achieve a glossy effect.

Protective finish : (external)

To accelerate carbonation of MINERALSTUC we recommend wetting the dry surface with clean water, by spraying from the bottom upwards repeatedly.

Allow the treated surface to dry for at least 24 hours, then proceed to apply either one or two coats of water-repellent protection, using either **Nippolin Idrorep IR/0330** or **Idrorep all'acqua IR/0340**.

Protective finish : (showers, bathtubs etc.)

For application on surfaces exposed to water (showers, bathtubs, basins etc) please consult us.

Its sealing properties against water is not synonymous with total impermeability. MINERALSTUC can be stained.

Storage

Store in a cool, dry place, protected from freezing conditions. Avoid exposure of the sacks to direct sunlight for long periods

Once the polyethylene protection for the pallet has been removed, protect the sacks from the rain.

The product maintains its properties for 12 months if stored in original sealed sacks.

Health and safety regulations

Ventilate during application. Avoid contact with skin and eyes. In the case of contact wash immediately and abundantly with soap and water.

Keep out of the reach of children.

For further information consult the health and safety data sheet.

Disposal

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

New wall surfaces

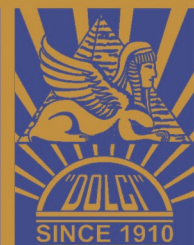
Surface of application	Preliminary treatment
Double-coat plaster	No treatment
Smoothed plasters	No tratment
Medium density	A coat of Isoquarz
Plasterboard	A coat of Isoquarz

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

Technical data sheet CC/0070



MINERALSTUC LIME-BASED SMOOTH AND SEMI-GLOSS FINISH



Plaster	A coat of Isoquarz
---------	---------------------------

Application on old surfaces

Surface of application	Preliminary treatment
Double-coat plaster	Thorough brushing
Tempere	Thorough brushing
Non treated lime based gloss finishes	Thorough sanding and a coat of Isoquarz
Lime based soaped gloss finishes	Thorough sanding and a coat of Isoquarz
Lime based waxed gloss finishes	A coat of Isoquarz
Washable paints	A coat of Isoquarz

Technical data

Appearance	Matt
Packaging	Paper sacks of 18 kg nett
Equipment for application	Stainless steel spatula
Theoretical consumption	1,50 ÷ 2,00 Kg/m ² for three coats
Granulometry curve	0,40 ÷ 0,70 mm
Thickness of coat	1.00 ÷ 1,50 mm for three coats
Surface drying	5 hours at room temperature of 20°C
In-depth drying	48 at room temperature of 20°C
Stable carbonation	180 days
Second coat	6 hours at room temperature of 20°C
pH after 30 days	12,5 ± 0,2
Permeability to vapour (Sd)	Excellent

Date : 27/09/19

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