

Technical data sheet CL/0619



PETRA

Lime-based plaster for decorative work



Description

PETRA is a natural wall covering and is ecological. It is suitable for the decoration and protection of walled surfaces both indoors and outdoors.

It permits a rough or smooth surface appearance, depending on the method of application.

The product has a very low content of Volatile Organic Compounds VOC.

Characteristics

Easy to apply, has an excellent filling power and offers a natural resistance against bacterial or mould attacks.

Perfectly stable over time, it bonds completely with the surface on which it is applied, maintaining the natural breathability of the wall surface.

Composition

Filtered lime-putty aged for 6 months, natural earth colorants, selected marble powders, cellulose and latex (1,50% maximum dry residue) for a homogeneous mixture.

Surfaces

PETRA should be applied on dry, non-flaky surfaces that are exempt of salts and humidity.

See the table below.

Preparation of surfaces

A perfect preparation of the surface is indispensable before application.

On new surfaces : lime-based plaster, cement, plaster, plasterboard, apply a coat of fixer **Isoquarz IS/0255** or **Soluzione alla Caseina PL/1182**.

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 **Isoquarz** or **Soluzione alla Caseina** to create a uniform surface.

After applying the fixer, wait 24 hours before applying the first coat of PETRA.

Preparation of mixture

The product is ready to use. The presence of any surface water is normal and it should be removed before use.

Colours

PETRA is supplied white as standard.

Various colours can be obtained by the addition of appropriate earth colorants, oxides or colouring pastes.

Before adding the colouring agent, it is necessary to reduce the viscosity of the product, by stirring it with an appropriate tool.

If colouring powders are used, (earths, oxides...) allow them to soak in water and then filter the obtained paste if necessary.

Add the colouring agent whilst stirring until the colour is completely mixed in.

We recommend leaving the coloured product to rest for at least one hour before applying to the surface.

Application

Do not apply on hot surfaces, in direct sunlight, or on a windy day. Being a natural product, it is possible to observe variances in colour tones from one production and for this reason we recommend using one single production batch.

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

First coat

1) PETRA is applied with a stainless steel spatula in one single application, with a thicker than normal, but with a smooth uniform finish.

Consumption : about 2000 - 2500 g/m²

2) Work on the surfaces with the specific tools required for the method of application that is desired.

3) During the drying phase, proceed with smoothing using a stainless steel spatula to obtain a smooth finish, creating little channels or veins for a 3D effect.

Finishing coat

Allow the treated surface to dry for at least 48 hours.

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.

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According to the surface and the effect desired, we propose the following finishes : **Carnauba wax and beeswax - Cera d'api e carnauba CE/0300**, **Soaped water wax - Cera all'acqua saponificata CE/0303**, **Soap of Marseilles - Sapone di Marsiglia PA/0605**, **Velacolor PL/1185**.

Consult the technical data sheet of the product.

Storage

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

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.

Application on new surfaces

Surface of application	Preliminary treatment
Double-coat plaster	A coat of Isoquarz
Smoothed plasters	A coat of Isoquarz
Mediumdensity	A coat of Isoquarz
Plasterboard	A coat of Isoquarz
Plaster	A coat of Isoquarz

Application on old surfaces

Surface of application	Preliminary treatment
Double-coat plaster	Thorough brushing and a coat of Isoquarz
Tempera surfaces	Thorough brushing and a coat of Isoquarz
Breathable surfaces	Thorough brushing and a coat of Isoquarz
Non treated lime based gloss finishes	Thorough sanding and a coat of Isoquarz
Lime based soaped gloss finishess	Thorough sanding and a coat of Isoquarz
Lime based waxed gloss finishes	Thorough sanding and a coat of Isoquarz
Washable paints	A coat of Isoquarz
Technical data	
Appearance	Matt
Packaging	Plastic buckets of 5 and 24 kg nett
Equipment for application	Stainless steel spatula
Specific weight	1,56 ± 0,05 Kg/l
Theoretical consumption	1,50 ÷ 2,00 Kg/m ²
Granulometry	650 μ
Thickness of the coat	1,50 mm (minimum)
Surface drying	6 hours with room temperature of 20°C

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In-depth drying	48 hours with room temperature of 20°C
Stable carbonation	180 days
Permeability to vapour (Sd)	high 0,06m Rif. Norm UNI EN ISO 7783-2:2001
Volatile organic compounds VOC	0,28 gr/lt.

Date : 27/09/19

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