

Technical data sheet AR/0002.M320



DOLCI ARGILLA Medium Finishing and/or levelling plaster



Description

Clay-based finishing and/or levelling plaster for internal use, recommended for the decoration of prestigious historical buildings and newly constructed buildings ; can be applied manually or mechanically.

It can be given a finishing coat of **Pittura a calce SV PL/1177, (Lime-based paint) tinter, Soluzione alla caseina (Casein-based solution) PL/1182 and Dolci Argilla Fine AR/0002.F420.**

Characteristics

Excellent permeability to water vapour.

Composition

Inert natural materials chosen on a granulometry curve from 0 to 1/1,5mm. Natural resins of vegetable origin.

Selected clay (exempt from hydraulic binders and substances of chemical origin).

Surfaces

Lime-based plaster, cement, gypsum, gypsum plates, plaster-board, cork panels, wood fibre panels and Eraclit.

Do not apply to surfaces susceptible to humidity, where salt has appeared on the surface because of rising damp and near to water.

Preparation of surface

- Lime-based and earth-based plaster (wet the surface before application).
- Concrete, gypsum, gypsum plates, : apply **Isoquarz IS/0255** to facilitate the grip of the plaster and wait 24 hours before applying a first coat of DOLCI ARGILLA Medium.
- Cork panels, wood fibre panels, Eraclit, apply **Isoquarz**, after 24 hours apply DOLCI ARGILLA Medium and soak the fibre glass mesh in between the two coats.

The surface must be clean, dry, absorbable, non powdery, exempt of salts and without traces of fatty substances.

Allow new plaster to age for at least 28 days.

On already painted or degraded surfaces, it is necessary to remove the paint which causes problems of adhesion with the surface, fill any cracks with filler and apply a coat of **Isoquarz IS/0255** fixer or **Casein Solution PL/1182.**

Preparation of the mixture

Mix in a cement mixer or other mixer adding 4 - 5 litres of water ($\pm 20/25\%$ %) until obtaining the desired consistency. Wait for about 30 minutes, adding water if necessary and stirring again for 15 seconds before application.

It is possible to obtain further effects by adding straw, mother-of-pearl or mica to the product (400 g x 20 kg).

In these cases, when the plaster is dry, brush the surface with a brush in order to highlight the added materials.

Application

Do not apply at temperatures below + 5°C or above + 30°C. Proceed by applying the paste in a uniform manner with a thickness of a few millimetres (4 – 5 mm) using a steel trowel. To obtain a rustic effect, finish off the surface with a damp sponge trowel.

To obtain a smooth finish, during the drying phase, proceed with smoothing using a steel trowel in such a way that the pressure of the trowel enables the penetration of the inert mineral materials into the plaster.

If the plaster is too dry, moisten it before starting.

The drying phase sees a loss of water which could cause some minor stains. These do not affect the technical characteristics of the product on a structural level and can be removed by moistening and using a trowel.

Drying time for the plaster is 24-48 hours.

Warning

Colour can vary significantly from one production batch to another owing to the strictly natural origins of the raw materials used therefore for this reason we recommend that a single batch is used for the last coat. We also advise carrying out a preliminary test before application.

Consumption

About 1,5-1,6 kg/m²/mm, depending on the type of surface.

Equipment for application

Steel trowel, trowel for pre-mixed plaster and sponge trowel. Wash equipment with water after use.

Packaging and storage

Available in paper sacks of 20 kg.

Does not contain preservatives, once water is added, the product should be used within 3 to 4 days.

The product stored in sacks maintains its qualities indefinitely if stored in a dry place in the original packaging.

Store away from water.

Disposal

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

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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Technical data

Product	DOLCI ARGILLA Medium
Type	Polvere
Granulometry	1,5 mm
Density	1564kg/m ³
Resistance to compression	12,8 kg/cm ²
Resistance to bending	14,4 kg/cm ²
Factor of resistance to spread of vapour	< 6 μ
Coefficient of thermal conductivity	0,59 W/mK
Class of reaction to fire	ND
Consumption of primary energy for production	ND

Date : 27/09/19

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