

## Technical data sheet AR/0001.G220



# DOLCI ARGILLA Grosso (Large granules) Base plaster



### Description

Clay base plaster for internal use, indicated for prestigious decorations of historical and new buildings, can be applied by hand or mechanically.

It can be finished with **Pittura a calce SV PL/1177, Soluzione alla caseina PL/1182** glazing and **Dolci Argilia Medio AR/0002.M320** or **Fine AR/0002.F420**.

### Characteristics

Excellent permeability to water vapour.

### Composition

Calcareous sand with granulometry size curve 0 – 2 mm and selected clay (without hydraulic binders and substances with synthetic origin).

### Surfaces

It is applied with a thick layer over fired bricks, cellular concrete, coarse reinforced concrete, unfired bricks.

### Preparation of surfaces

DOLCI ARGILLA Grosso must always be applied on a previously dampened support.

Being a natural plaster, it clings mechanically to the surface and therefore requires a sufficiently coarse and porous base such as burnt bricks, hand-made unburnt bricks, or plaster-supporting straw mats [arella portaintonaco]. In the case of difficult surfaces, such as reinforced vibrated concrete, a layer of rough coating is indispensable.

For applications on unburnt bricks please see the relative technical data sheets.

The surface must be clean, dry, absorbent, non-flaky, without any salts, humidity or fatty substances.

### Preparation of mixture

Stir in a cement mixer adding 4 – 5 litres of water for 25 kg ( $\pm 15/20\%$ ) until the desired solidity is obtained. Wait about 30 minutes, add water if necessary and stir again before application.

### Application

Do not apply at temperatures below + 5°C and above + 25°C, avoid a rapid drying of the product.

Proceed by applying the paste in a uniform manner, with a maximum thickness of 1,5 – 2 cm per coat. Each successive coat should be applied when the previous coat is dry.

After the last coat, when the plaster is still soft, it is advisable to apply a fibre-glass mesh to give more elasticity and resistance to the plaster.

On non-absorbant surfaces such as reinforced concrete, we advise that the plaster is applied in layers of no thicker than 5-6mm in order to avoid it flaking off. To obtain a rustic finish, rub the surface with a moistend sponge.

To obtain a gloss finish, during the drying phase, proceed with smoothing the surface by using a steel spatula in order to permit the inert mineral elements to penetrate the plaster.

If the plaster is too dry, moisten it before working on it.

The drying phase of the plaster can cause the loss of water which could cause some deformity. This does not compromise the technical characteristics of the product. Moisten the surface and level any minor defects with a trowel.

### Warning

Colours can undergo significant changes in tone from one production batch to another, because of the organic origin of the raw materials used. For this reason we recommend using product from one production batch.

We recommend a preliminary test before application.

### Consumption

About 14-16 kg/m<sup>2</sup>/cm, depending on the type of surface.

### Equipment for application

Plasterer's trowel, sponge trowel.

Wash equipment with water after use.

### Packaging and storage

Available in paper sacks of 25 kg and extra large sacks of 1500 kg.

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

The product stored in the original sacks maintains its properties indefinitely if stored in a cool, dry place. Protect from water.

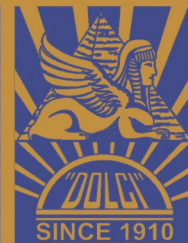
### Disposal

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

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| Technical data                               | DOLCI ARGILLA Grosso    |
|--|-------------------------|
| <b>Product</b>                               |                         |
| Type   | Powder                  |
| Granulometry                                 | 0-2 mm                  |
| Specific weight                              | 1500 kg/mc              |
| Lambda                                       | 0,59 W/m °K             |
| Density                                      | 1564 kg/m <sup>3</sup>  |
| Resistance to compression                    | 12,8 kg/cm <sup>2</sup> |
| Resistance to bending                        | 14,4 kg/cm <sup>2</sup> |
| Resistance factor to the diffusion of vapour | < 6 μ                   |
| Coefficient of thermal conductivity          | 0,59 W/mK               |
| Specific heat                                | 710 J/ Kg °K            |
| Conformity                                   | UNI EN 998              |

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.