

TERRAE-CALCE

Decorative coating based on natural hydraulic lime suitable for indoor and outdoor use

DESCRIPTION

TERRAE-CALCE by Ideal Work is a family of decorative surfaces applied to minimal thickness based on hydraulic lime which is suitable for use on walls and ceilings both internally and externally.

The system consists of:

CALCE-PRIMER	Adhesion primer in hydraulic lime-based paste
CALCE-POWDER	Dry mortar based on hydraulic lime
CALCE-COLOUR	Natural colouring pigment available in 8 shades (MINT, SKY, BRICK, PEACH, MUD, SAND, STRAW, OLIVE)
CALCE-PROTECTION	Natural protective wax
CALCE-AGGREGATE-RICE	Natural aggregate based on rice
CALCE_AGGREGATE-HEMP	Natural aggregate based on hemp.

TERRAE-CALCE can be freely interpreted by the applicator starting from three basic finishes:

- VENEZIA: A smooth and gently cloudy surface
- MATERA: Natural, freestyled and naturally rugged
- SIENA: Textured by the addition of natural aggregates

USES

Decorative coating for Internal and external walls and ceilings on backgrounds such as:

- Cement based plasters, plaster or lime plasterwork.
- Plasterboard.
- Fibrecement boards.
- Mineral coatings.
- Paint.

APPLICATION

SURFACE PREPARATION

On fine cement plasterwork, plaster or lime plasterwork:

- on a solid, smooth and clean substrate, apply a coat of CALCE PRIMER diluted with water (0,3-0,5 Kg water / 1 Kg product);
- on substrates requiring consolidation, spread a mixture of IDEAL BINDER and water in the ratio of 1:5 in one or more coats and, when dry (after about 1 hour), apply 1 coat of CALCE PRIMER diluted with water (0,3-0,5 Kg water / 1 Kg product);

On Plasterboard:

- a minimum finish grade Q3 is required on which you can apply, with a roller, 1 coat CALCE PRIMER diluted with water (0,3-0,5 Kg water / 1 Kg product).
- In the case of a finishing grade lower than Q3, skim with appropriate products to achieve the required degree of finish.

On Fibrecement boards:

- Coat with suitable products incorporating a glass fibre mesh of at least 75 g/m², then apply 1 coat CALCE PRIMER by roller, diluted with water (0,3-0,5 Kg water / 1 Kg product).

On fine mineral coatings:

- On a solid, smooth and clean substrate, apply a coat of CALCE PRIMER diluted with water (0,3-0,5 Kg water / 1 Kg product);

Painted surfaces:

- Roughen the surface by sanding with a rotor-type sanding machine with fine mesh (grit 150-180) and then carefully remove the resulting dust.
- Then apply, by roller, a mixture of IDEAL BINDER and water, in 1:5 ratio, in one or more coats. After drying (about 1 hour) apply a coat of CALCE PRIMER diluted with water (0,3-0,5 Kg water / 1 Kg product).

APPLYING THE MATERIAL

Wait 18-24 hours until complete drying out of the preparation.

- Using a stainless-steel trowel type MX-64D (28-35 cm), apply the first coat of CALCE-POWDER coloured with CALCE-COLOUR to level the substrate (1,2 Kg/m² of powder).
- After 12-24 hours apply the desired finishing treatment as described below.

TERRAE-CALCE "VENEZIA" FINISH:

- Using a 24/28 cm stainless steel trowel, apply the second coat of CALCE-POWDER coloured with CALCE-COLOUR.
- Work with vertical movement and skim to zero (1.0-1.2 Kg/m² of powder).
- When the surface is touch-dry, after at least 30-60 minutes, apply the third coat fresh on fresh in the same way as the previous, with a consumption of about 0.8-1.0 Kg/m²).
- After 45-90 minutes (at 20°) smooth the surface, always working vertically. Wet with a water spray to create the characteristic chiaroscuro effect

TERRAE-CALCE "MATERA" FINISH:

- Apply a generous amount of the material (2.0 Kg/m² of powder) in an uneven manner;
- After 45-90 minutes (at 20°) lightly sponge and smooth the surface with a soft plastic trowel, making sure to eliminate any trowel marks. Smooth the edges.

TERRAE-CALCE "SIENA" FINISH:

- Apply the second coat of CALCE-POWDER coloured with CALCE-COLOUR and add LIME AGGREGATE (HEMP or RICE, max 1%) to the mix.
- Skim to zero, taking care not to leave streaks or tears. Consumption 0,8-1,2 Kg/m² of powder.
- Before the drying process is complete, after approximately 45-90 minutes (at 20°), wash the surface with a soft cellulose sponge trowel. If the washing is done too early, whitish streaks may appear, these are particularly visible on dark colours.

PROTECTIVE TREATMENT:

After 7-10 days you can apply the protective treatment with CALCE-PROTECTION diluted with water at a rate of 30%-50%.

Apply the mixture with a microfibre cloth and remove any excess with a second clean cloth.

Complete lime carbonation takes 7-10 days.

CONSUMPTION AND MIXING RATIOS

MIXING RATIOS

CALCE PRIMER:

1 Kg CALCE PRIMER + 0,3/0,5 Kg water (depending on the substrate);

CALCE POWDER:

1 Kg CALCE POWDER + 0,3/0,4 Kg water (depending on temperature, humidity and absorption of the substrate);

CALCE COLOUR:

Light shade	10 g CALCE-COLOR/kg CALCE POWDER
Medium/ Light shade	20 g CALCE-COLOR/kg CALCE POWDER
Medium/ Dark shade	40 g CALCE-COLOR/kg CALCE POWDER
Dark shade	80 g CALCE-COLOR/kg CALCE POWDER.

CALCE PROTECTION:

100 parts CALCE PROTECTION + 50 parts water

CONSUMPTION

- CALCE PRIMER: 200-250 g/m²
- CALCE POWDER: 3 Kg/m²
- CALCE COLOUR: 30-120 g/m²
- CALCE PROTECTION: 50 g/m²

PACKAGING/STORAGE/DISPOSAL

The components of SISTEMA CALCE are available in following packaging:

- CALCE PRIMER 10 Kg;
- CALCE POWDER 15 Kg;
- CALCE COLOUR 1,5 Kg;
- CALCE PROTECTION 1 L e 5 L;
- CALCE-AGGREGATE-RISO 1 Kg
- CALCE_AGGREGATE-CANAPA 1 Kg

The products have a shelf-life of 12 months when stored in fresh and dry storage in their original sealed packaging. Avoid freezing. Do not store at temperatures below 5°C.

PRECAUTIONS

Apply on substrate with a moisture content lower than 25% and with air-temperature between 10° and 30°C.



IMPORTANT:

The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is not used in accord with its instructions. The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is performed even partially in contrast with these guidelines or with products not covered by them.

The manufacturer also declines any responsibility for the aesthetic aspect of the flooring which depends on the installation methods, working times and climatic conditions of the site. The applicator must take these into account when scheduling and applying the materials supplied by the manufacturer.

The applicator notes that Ideal Work is in no way responsible for the suitability of the solution chosen in relation to:

A) Substrate suitability, climatic conditions or any other external parameter which may affect the performance of the Ideal Work products being used.

B) The stresses to which Ideal Work products may be put under operation.

It also notes that the indications provided by Ideal Work in its technical documentation are to be considered a necessary condition but do not in any way relieve the contractor of the responsibilities and technical evaluations of the applicator. The data can be changed at any time. Also note that the products are intended for professional use only.