

# IDEAL WALL ECO

Pre-mixed cement mortar for vertical decorative work.

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## **Description**

IDEAL WALL ECO is a pre-mixed ready-made mortar composed of selected aggregates, white cement, UV stable inorganic oxides and specific additives that make it waterproof, improve its workability and adhesion.

With IDEAL WALL ECO it is possible to recreate various effects on vertical surfaces such as rock, ancient brick, stone, volcanic rock and even wood.

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## **Features**

After suitable preparation, the product can be applied onto brick, concrete and stone in addition to other backgrounds such as plasterboard, polystyrene, wood and metal.

IDEAL WALL ECO is produced in an ivory base colour. During mixing it can be coloured with the COLOR-PACK C series in the ratio of 1 jar (500 g) of COLOR PACK C for 5 bags (125 Kg) of product.

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## **Fields of use**

IDEAL WALL ECO is ideal for the production of 10-25 mm thick moulded plasters on internal and external vertical walls.

After appropriate preparation, it can be applied on the following substrates:

- Brick, stone and plastered walls
- Concrete
- Drywall
- Wood
- Metal
- Styrofoam and EPS generally.

Do not apply on previously painted metal and plaster substrates.

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## **Application**

### *Preparation of the substrate on masonry, plaster, stone, concrete*

Wash the masonry with a high-pressure washer. The masonry must be solid and clean from dust, dirt, oil, stains, resins, waxes, release agents, saline efflorescence, friable materials etc...

Any holes must be filled and any structural joints respected.

Apply a "rough coat" with sand and cement 1:1 and IDEAL BINDER diluted 1:1 with water to guarantee the adhesion and homogeneity of the substrate. For spray applications the mixture will be more liquid.

In the event of high temperatures or in the presence of wind or porous substrates, it is recommended to adequately wet the substrate prior to application.

For the preparation of backgrounds not listed, please contact the Ideal Work technical

office.

## Application

IDEAL WALL ECO must be mixed as normal plaster using a concrete mixer or standard mixer. Add 4.5-5 L of water to a 25 Kg bag.

It is important to keep the quantity of water constant to prevent differences in colour shades.

The IDEAL WALL ECO covering must be reinforced with fibreglass mesh.

The mixed material can be applied in a single layer to a thickness of 25 mm. For greater thicknesses, the plaster must be applied in several successive layers, at least 1 day apart, always being careful to roughen the support layer.

The mortar must be applied within 1 hour of mixing.

Hardening times vary according to the environmental conditions and the substrate.

Apply a light leveling coat of the product, apply the fibreglass mesh and then spread IDEAL WALL ECO in uniform thickness. With the help of guides, smooth the surface and allow it to reach the ideal consistency for moulding. With a manual pump, apply a light layer of Ideal Work Liquid Release Agent on the moulds and plaster and proceed to print the surface, always keeping the molds clean and wet with the Liquid Release Agent.

Proceed with finishing within 8-24 hours.

Once this operation is finished and within 1-2 days, proceed with the sponge, brush or spray colouring with RAINBOW COLORS.

Once the dyes are dry, it will be possible to apply IDEAL SEALER MEDIUM resin (solvent acrylic, wet satin effect) or IDEAL FX ECO resin (water based acrylic with a matt effect that does not alter the shade).

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## Technical information

Tests according to UNI EN 998-1

Compressive strength	3,4 Kg/mm <sup>2</sup> CII
Mass volume	1.513 Kg/m <sup>3</sup>
Thermal conductivity	$\lambda = 0.50$ W/mK (P = 50%) $\lambda = 0.57$ W/mK (P = 90%)

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## Coverage

12.5 Kg/m<sup>2</sup> for 10 mm thickness.

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## Packaging / storage / disposal

The product is supplied in double-layer 25 Kg paper-nylon bags.

Stored in a dry and ventilated place, with temperatures not lower than +5°C.

It can be kept for 10 months.

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## **Warnings**

The climatic conditions in general are very important as they affect the setting times and the degree of absorption of the substrate. IDEAL WALL ECO can be applied in temperatures between 5°C and 30°C. It is also not recommended to use it in the presence of wind, in the hottest hours of the day or when rain is expected.

In the case of indoor applications, it is necessary to adequately ventilate the rooms after application until completely dry, avoiding significant thermal changes in space heating. During the summer season, on surfaces exposed to the sun, it is recommended to wet the plaster for a few days after application. Application in strong winds can cause the formation of cracks and "burns" of the plaster.

IDEAL WALL ECO must be used in its original state without the addition of foreign materials. Wash all of tools with water.

IDEAL WALL ECO is a white cement-based product. Avoid contact with skin, nose, eyes etc. In case of accidental contact, wash thoroughly with soap and water and consult a doctor. The use of protective masks and gloves is recommended. In closed rooms, provide good ventilation and avoid inhalation of dust. Consult the safety data sheet.

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## **IMPORTANT**

All information contained herein is based on the best and most recently available practical and laboratory testing. It is the customers responsibility to determine that the product is suitable for their chosen application. The manufacturer assumes no responsibility for the results of incorrect applications. You should always test on a small area before full scale application. This document replaces all previous versions. The data can be changed at any time. Also note that the products are intended for professional use only. Ideal Work provides training, updates and refresher courses for their regular customers on request. Anyone using these products without being enabled does so at their own risk.

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