

IDEAL TIX EP

Thixotropic mortar additive for high thickness vertical decoration and artificial rocks.

Description

IDEAL TIX EP added to sand and cement produces a thixotropic mortar, ideal for recreating high thickness vertical coatings (2.5-6 cm) and artificial rocks on a wide variety of substrates. With IDEAL TIX EP it is possible to recreate the effects of ancient brick, stone, tuff, rock even wood on vertical walls.

Features

After suitable preparation, the mortar admixed with IDEAL TIX EP can be applied on brick, concrete, stone surfaces and also on other backgrounds, such as plasterboard, polystyrene, wood and metal.

The mortar can be coloured using colours from the COLOR-PACK C series in the ratio: 1 jar (500g) of COLOR PACK C for 5 bags (125 kg) of dry mix. It replaces the Ideal Tix premixed product.

Fields of Use

IDEAL TIX EP is ideal for making moulded plasters with a thickness over 25 mm and creating artificial rocks.

After suitable preparation, the mixture can be applied on the following substrates:

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

Do not apply on metal or plaster substrates which have been painted.

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, loose friable materials etc...

Any holes must be previously filled and 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 application the mixture should be more liquid.

In high temperatures, the presence of wind or porous substrates, it is recommended to adequately wet the receiving surface.

For the preparation of different backgrounds, contact the Ideal Work technical office.

Application

IDEAL TIX EP must be mixed together with sand and cement like a normal plaster, using a cement mixer or mixer, in the following proportions:

3 Parts IDEAL TIX EP
5 Parts Sand 0.3-1.0 mm (or similar size)
2 Parts Cement White or gray 3.25
The parts are expressed in Kg.

Add 4.5-5 l of water per 25 kg of mix.

To obtain a better mixing, place the ingredients in concrete mixers in the following sequence:

70% water + sand + IDEAL TIX EP + cement, mix well and at the end add the remaining 30% of water.

It is important to keep the quantity of water constant to prevent differences in shades. Consult the Ideal Work technical service for more information.

Plaster with IDEAL TIX EP must be reinforced with fibreglass mesh.

Up to thicknesses of 40-50 mm, it can be applied in a single layer whilst for higher thicknesses, the plaster must be applied in several successive layers, at least 1 day apart, always being careful to roughen the previous layer.

The mortar must be applied within 20-45 minutes of mixing.

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

Apply a light leveling coat, then the mesh and then spread the plaster according to the project shapes and allow it to reach the ideal consistency for moulding. With a manual pump, spread a light layer of Ideal Work Liquid Release Agent on both the moulds and plaster and proceed to print the surface, always keeping the moulds clean and wet with the Liquid Release Agent.

Proceed with finishing and fresh pressing or in any case within 6-18 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).

Technical Information

Tests according to UNI EN 998-1

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| Compressive strength | CS IV |
| Mass volume | 1781 Kg / m ³ |
| Thermal conductivity | $\lambda = 0.80 \text{ W / mK (P = 50\%)}$ $\lambda = 0.87 \text{ W / mK (P = 90\%)}$ |

Consumption

3.75 kg/m² per 10 mm thick.

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 up to 10 months.

Warnings

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

In the case of indoor application, 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.

Wash all tools with water.

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.

IMPORTANT

All information contained in this data-sheet is based on the best practical and laboratory expertise. The customer is responsible for checking the product is suitable for use. The producer does not accept any responsibility arising from incorrect application. We recommend testing the products on small surfaces prior to use on the jobsite. This data-sheet replaces and annuls all previous versions. Data may be changed anytime. We also remind you that Ideal Work products are for professional use only and Ideal Work provides customers with training opportunities upon request. Whoever uses these products without authorisation shall take full personal responsibility and the outcome will be at their own risk.

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