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MICROCEMENTO FINE

High performance Polymeric cement protective coating

Description

FINE MICROCEMENT is a two component coating based on high performance cements, selected aggregates, additives, catalysts, inorganic dyes and synthetic resins.

It's suited to be applied on top of BASE MICROCEMENT. Once applied it creates a coating between 0,5 to 1 mm thick of high mechanical resistance without retractions and strong adhesion on any type of support: concrete, mortars, Cementitious, ceramics.

Properties

The MICROCEMENTO FINE allows a perfect finish for all types of decoration in shops, offices, restaurants, exhibition areas, homes, theme parks, furniture, shelves, countertops, ceramic bathroom and kitchens, Cement pavements, polymer and epoxy flooring due to the following technical and decorative properties:

- High resistance to abrasion (higher than concrete).
- Applicable on any type of support: concrete, cement, mosaics, including, smooth ceramic tiles.
- Highly deformable mineral coating.
- The chemical reaction with CO₂ allows its hardness to improve over time.
- Excellent workability.
- Anti-slip
- High adhesion to the support.
- High mechanical strength.
- Breathable (permeable to vapour molecules).
- Ignifugo by its mineral nature.
- UV Stable. It reflects the radiations of light and heat.
- Aseptic
- Antistatic.
- Low allergen levels.
- Low thermal diffusion
- Quick application and commissioning. Its application does not require work.
- Easy cleaning and maintenance.
- Ideal for decorations in which you want to use the same decorative finishes in different decoration surfaces, so its high adaptability to floors, ceilings, walls, exteriors, and interiors

Packing

It is packed in 20 kg cubes of powder (comp A) and 10 kg bottles of resin (comp. B)

How to use

Surface Preparation

The support must be clean, free of grease or oils and the substrate in good conditions of levelling and

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resistance. Take particular attention to those apparently clean substrates but which contains waxes, silicones or salts.

The FINE MICROCEMENTO is designed to be applied on top the MICROCEMENTO BASE. Depending on the smoothing achieved in the first two hands of BASE MICROCEMENTO, it will be advisable to sand the surface. FINE MICROCEMENTO due to its very fine granulometry is not designed to level surfaces.

On Pladur and plasters, and in general on the supports that distrust of its state, the use of the UNION BRIDGE PRIMER is recommended to guarantee the adhesion in all type of surfaces.

On Cement mortars the use of UNION BRIDGE PRIMER allows a more fluid application of the product by avoiding the accelerated dehydration of the MICROCEMENTO by the absorption generated from the support.

Mixture

The FINE MICROCEMENTO is formulated as a base of a powder component and a liquid component, which are homogeneously mixed in the function of the desired consistency, as follows: Add component A in a container and then continue and gradually, Pour the components B into the desired dosage for the chosen consistency while homogenizing the product with low revolution mechanical stirrer. Mix for less than 2 minutes until a uniform and lump free mixture is obtained.

Application

Apply one to three coats of FINE MICROCEMENTO according to the desired aesthetic finish, extending it with the aid of a flexible trowel, tightening the product well, to obtain a stucco effect

Before the application of each layer, let dry the previous one, checking that it is not wet to the touch and make a smooth sanding with orbital sanding sandpaper of grain 40 - 80. So eliminate the irregularities.

If the support is in good condition and with good planimetry, the micro cement can be applied directly.

In case of burrs, it is recommended to sand since FINE MICROCEMENTO is not designed to level it. The size grain of the sandpaper must be chosen according to the required requirements.

It is recommended not to exceed 1 mm thickness per layer of applied product.

Dry application on wet: It is recommended to get thickness in the first layer with a paste of thixotropic consistency, in the second coat apply a paste of more fluid consistencies and so to achieve the stucco effect desired

Wet application on wet: Once the coat is in the setting phase (hardened) but moist to the touch, tighten the entire surface with the trowel to introduce the sand into it and so obtain the necessary stucco effect.

Drying

Leave to dry 3 hours between coats. Allow drying 24 hours before applying the sealer

Working Time

The working time is 2 to 3 hours under standard ambient and support conditions (20°C relative humidity 65%). It is recommended to perform kneading according to the performance achieved, depending on the environmental and support factors)

Sealed

To ensure the maximum hardness of the system, the FINE MICROCEMENTO layer should not be sealed until

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it has completely hardened, and depending on atmospheric conditions at least after 24 hours of drying and never before the coating has reached a relative humidity lower than 5% measured with appropriate appliances.

To ensure that fine micro cement has achieved adequate hardness it is advisable to wait 1-3 days before sealing.

For the correct application of the seal coatings, consult the technical data sheets.

Cleaning tools

Tools must be washed with water immediately after use. Once the material has hardened, it can only be removed by mechanical means.

General recommendations

Observe if the stability of the support is adequate. Supports with high mobility, such as certain metal structures, may not be appropriate.

It is necessary to respect the expansion joints and structural joints.

Special Precautions

This product contains cement. Avoid contact with eyes and skin, as well as inhaling dust. Low temperatures lengthen and high temperatures dramatically reduce workability and drying time.

Use rubber gloves and goggles. Keep out of the reach of children.

Do not apply the product at ambient temperature below 5 ° C or above 30 ° C.

Consumption

The MICROCEMENTO FINE consumption is approximately 1 kg / m². (Three coats)

Storage conditions

THE MICROCEMENTO FINE must be stored in its original closed containers and protected from the elements.

The time of use is 12 months from its date of manufacture, properly preserved.

Technical data

TYPE:	<i>Polymeric cement bi-component</i>
APPEARANCE COMP. A:	<i>Liquid</i>
APPEARANCE COMP. B:	<i>White Power</i>
AGREGATES MAXIMUM SIZE – FINISH FINE:	<i>< 0,06 mm</i>
APPLICATION DENSITY (hardened):	<i>1,8kg/m³</i>
POT LIFE:	<i>> 3 hrs.</i>
PH:	<i>12</i>
LAYER THICKNESS:	<i>0,5 – 1 mm each coat</i>

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COMPRESSIVE STRENGTH (24 hrs.):	> 8 N/mm ²
COMPRESSIVE STRENGTH (24 days.):	> 28 N/mm ²
ADHERENCE TO CONCRETE:	28 days:> 2 N/mm ²