

Concrete Wall.

Concrete Wall is a two-component microcement formulated for coating walls and other non-trafficable surfaces, achieving decorative finishes. The substrate must be prepared with Concrete Base, and then sealed using our Concrete Finish line.



Properties

- Continuous seamless coating (always respect the expansion joints).
- Applicable on almost any type of substrate: concrete, cements, ceramics, plaster, plasterboard, etc.
- Excellent workability.
- Wide range of colors and effects.
- Matt, satin and gloss finishes.
- High adherence to the substrate.

How to use

a. Preparation of the substrate:

Before applying Concrete Wall microcement, it is necessary to prepare the surface with Concrete Base. The application substrate must be clean and free of grease, the base must be consolidated and in good planimetric conditions.

b. Mixing:

Concrete Wall is mixed with Concrete Resin and colorants according to the color selected. To guarantee the properties of the coating, it is essential to respect the ratio between the microcement and the resin:

10 kg de Concrete Wall XS – 4,8 - 5,0 L of Concrete Resin

10 kg de Concrete Wall S – 4,5 L of Concrete Resin

10 kg de Concrete Wall M – 4,3 L of Concrete Resin

c. Preparation of the mortar:

The mortar should be prepared as follows:

1. Pour a little Resin into a container, add the entire load of pigment corresponding to the quantity of microcement to be worked with and mix until you obtain a homogeneous colored liquid.
2. Pour the microcement powder and resin gradually while mixing the product with a mechanical mixer of low revolutions.
3. Mix for at least 4 minutes until a homogeneous and lump-free mixture is obtained.

d. Use:

The better the leveling and preparation of the surface to be coated, the better the performance and the lower the material cost and application time. It is convenient to choose the adequate method for each application.

Consumption

The consumption on surface prepared with Concrete Base is as follows:

- Concrete Wall XS/S/M (two layers): 0,5 kg/m²

Technical Data

- Type: bicomponent microcement
- Aspect: White powder
- Maximum aggregate size
XS: 0,075 mm / S: 0,125 mm / M: 0,180 mm
- Apparent density:
Powder: 930 ± 50 kg/m³
Plaster: 1420 ± 50 kg/m³
Hardened: 1310 ± 50 kg/m³ (28 días)
- Compression resistance (EN 13892-2)
>22 N/mm² (28 days)
- Flexural strength (EN 13892-2)
>7 N/mm² (28 days)³
- Adhesion resistance (EN 13892-8)
>1,2 N/mm² (28 days)
- Fire resistance (EN 13501-1): B-s1, d0

Application

a. Preparation layers:

Depending on the type of application substrate, apply one or two layers of Concrete Base by metal trowel. Before applying a new coat, let the previous one dry and sand gently with a roto-orbital sander and 40-grit sandpaper to remove imperfections.

b. Finishing layers:

Apply two layers of Concrete Wall by spreading with the aid of a flexible rubber trowel, using one of the two techniques that follow:

“Fresh on fresh”

Concrete Wall can be worked using the “fresh on fresh” technique, applying the next layer as soon as the first layer ceases to have “tack” (when the freshly applied microcement stops sticking to the fingers when touched). This first layer of Concrete Wall does not require sanding. If burrs or lumps remain, these should be removed with the support spatula, removing the protruding material. Apply the next layer working on extruded polystyrene boards. Once the material is dry, make a soft sanding with a roto-orbital sander or 220 grit sandpaper in order to eliminate imperfections (as soon as it has changed its tone and is lighter).

“Fresh on dry”

Before applying a new layer, let the previous one dry (about 3 hours) and make a soft sanding with roto-orbital sander or 220 grit sandpaper in order to remove imperfections.

Do not apply layers thicker than 1 mm for Concrete Base and Concrete Wall microcements. A total system thickness of 1 to 3 mm is recommended

c. Sealing:

Luxury Concrete® microcements should be sealed once hardened, between 24 and 48 hours. Never before the coating has reached a moisture content of less than 5%, measured with instruments designed for this purpose. Luxury Concrete® microcements can be sealed with Primacrete Finish primer and Concrete Finish water-based varnish. We recommend scrupulously following the application instructions in the technical data sheets.

Field of application

Mortar for coating vertical walls and non-trafficable horizontal surfaces in interior or exterior commercial and residential spaces, dry or wet.

Packaging

It is available in 15 kg buckets.

Special Precautions

This product contains cement.

- Avoid contact with eyes and skin and avoid inhalation of dust.
- Use rubber gloves and protective goggles.
- Do not apply the product at room temperature lower than 10°C or higher than 30°C.

Low temperatures lengthen and high temperatures reduce significantly the life time of the product and the drying.

Empty containers should be disposed of in accordance with current legislation. To prevent the product from drying out or thickening, close the lid after each use. Keep out of the reach of children.

Pot-life

The pot-life of the product is 1 hour at about 20°C. We recommend mixing according to the applicator's experience.

Storage Conditions

The product should be stored in its original closed container and protected from the weather at temperatures between 10°C and 30°C, in a dry and well ventilated place, away from heat sources and direct sunlight. The shelf life is 24 months from the date of manufacture, if stored properly.

Cleaning of the tools

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