



# STANDARD

## MICRODECK

### STANDARD MICRODECK (A+B) Finishing Microcement



**Standard Microdeck is a two-component microcement powder for decorative finishes. It has been formulated to be applied as a thin continuous coating on floors and walls. Topciment® microcements are applied by trowel in several coats allowing a wide variety of effects to be achieved. As part of an application system, the substrate should be prepared with Standard Microbase and Topciment® recommended products.**

**Formulated with hydraulic binders, selected aggregates and specific additives, Standard Microdeck (powder component A) must be mixed with Acricem resin (liquid component B) respecting the proportions in this data sheet to guarantee the properties of the coating.**

**Once mixed, it can be used to create a thin coating of 1 to 3 mm thickness with high mechanical resistance and strong adhesion on any type of substrate: concrete, cementitious mortars, ceramics, MDF, plaster and plasterboard.**

#### 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 Standard Microdeck microcement, it is necessary to prepare the surface with Standard Microbase. The application substrate must be clean and free of grease, the base must be consolidated and in good planimetric conditions.

##### **b. Mixing:**

Standard Microdeck is mixed with Acricem 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 of Standard Microdeck (M/L) – 3,0 - 3,5 liters of resin Acricem

##### **c. Preparation of the mortar:**

The mortar should be prepared as follows:

1. Pour a little Acricem 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 performance will depend on the substrate to be coated. In a standard application the performance is:

- Standard Microdeck M/L (two layers): 1 kg/m<sup>2</sup>

## Technical Data

- Tipo: MicrocemType: Bicomponent microcement
- Aspect: White powder
- Maximum aggregate size:  
M: 0,6 mm / L: 0,2 mm
- Apparent density:  
Powder: 1175 ± 50 kg/m<sup>3</sup>  
Plaster: 1505 ± 50 kg/m<sup>3</sup>  
Hardened: 1390 ± 50 kg/m<sup>3</sup> (28 days)
- Compression resistance (EN 13892-2):  
>35 N/mm<sup>2</sup> (28 days)
- Flexural strength (EN 13892-2):  
>10 N/mm<sup>2</sup> (28 days)<sup>3</sup>
- Concrete adhesion:  
>1,2 N/mm<sup>2</sup> (28 days)
- Slipping resistance (EN 12633:2003): USRV  
Rd= 25 Class 1
- Fire reaction: BFL s1

## Application

#### a. Preparation layers:

Depending on the type of application substrate, apply one or two layers of Standard Microbase by metal trowel. On the floor, always coat with two layers and very flexible Builtex fiber mesh. Before applying a new layer, 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 Standard Microdeck by spreading it with the aid of a steel Bi-Flex trowel, using one of the two techniques below:

##### *"Fresh on fresh"*

Standard Microdeck 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 Standard Microdeck 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 40 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 40 grit sandpaper in order to remove imperfections.

Do not apply layers thicker than 1 mm for Standard Microbase, Standard Microdeck and Standard Microfino microcements. A total system thickness of 1 to 3 mm is recommended.

### c. Sealing:

Topciment® 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. Topciment® pueden microcements can be sealed with Presealer and Topsealer® WT water-based varnish. We recommend scrupulously following the application instructions in the technical data sheets.

## 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.

## Field of application

Mortar for coating vertical walls and floors of commercial and residential interior or exterior spaces, dry or wet.

## Packaging

It is available in 18 kg buckets.

## 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.

## 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



The product must not be used for purposes other than those specified without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legislative requirements. The Safety Data Sheets of the product are available to the professional.

Last edition: December 2022