



STANDARD

MICROBASE

STANDARD MICROBASE (A+B)

Microcement for surface preparation



Standard Microbase is a two-component microcement in powder. Designed for surface preparation before applying finishing microcements Standard Microdeck and Standard Microfino. It has been formulated to be applied as a low-thickness continuous coating onto floors and walls. Topciment® microcement is applied in several layers with a trowel, allowing the creation of a wide range of finishes. As part of an application system the surface should be prepared and with Standard Microbase with products recommended by Topciment®.

It is formulated of hydraulic binders, selected aggregates, synthetic resin and specific additives. Standard Microbase (component A in powder) needs to be mixed with Standard Acricem (component B liquid) according to the quantities specified in this technical sheet to guarantee its features.

Once mixed, the obtained product can create a coating of 1-3 mm, with high mechanical strength and strong adhesion to any type of substrates: concrete, cement-based mortars, ceramic, MDF, plaster and drywall as long as they are correctly prepared.

Properties

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

How to use

a. Preparation of the substrate:

Before applying Standard Microbase microcement, it is necessary to prepare the surface depending on the conditions of the substrate to be applied. Certain applications require specific solutions: Builtex flat and flexible fiberglass mesh, adhesion promoters Primacem® PLUS o Primacem® ABS, vapor barriers or Impoxy rising damp barriers. In any case follow the recommendations of our technicians.

The application substrate must be clean and free of grease, the base must be consolidated and in good planimetric conditions.

b. Mixing:

Standard Microbase is mixed with resina Acricem 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 Standard Microbase L – 2,5/3,0 liters of Acricem Resin
- 10 kg de Standard Microbase XL – 3,0 liters of Acricem Resin
- 10 kg de Standard Microbase XXL – 2,5 liters of Acricem Resin

c. Preparation of the mortar:

The mortar should be prepared as follows:

1. Pour a little Acricem 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

Standard Microbase L: (2 layers) - 2.00 Kg/m²

Standard Microbase XL: (2 layers) - 2,8 Kg/m²

Standard Microbase XXL: (2 layers) - 3,4 Kg/m²

Technical Data

Standard Microbase L

- Type: Bicomponent microcement
- Aspect: White powder
- Maximum aggregate size: 0,3 mm
- Apparent density:
 - Powder: 1175 ± 50 kg/m³
 - Plaster: 1480 ± 50 kg/m³
 - Hardened: 1430 ± 50 kg/m³ (28 days)
- Compression resistance (EN 13892-2): ≥50 N/mm² (28 days)
- Flexural strength (EN 13892-2): ≥10 N/mm² (28 days)
- Adhesion resistance (EN 13892-8): ≥1,5 N/mm² (28 days)
- Fire resistance (EN 13501-1): B_{FL} s1

Standard Microbase XL

- Type: Bicomponent microcement
- Aspect: White powder
- Maximum aggregate size: 0,4 mm
- Apparent density:
 - Powder: 1175 ± 50 kg/m³
 - Plaster: 1480 ± 50 kg/m³
 - Hardened: 1430 ± 50 kg/m³ (28 days)
- Compression resistance (EN 13892-2): ≥50 N/mm² (28 days)
- Flexural strength (EN 13892-2): ≥10 N/mm² (28 days)
- Adhesion resistance (EN 13892-8): ≥1,5 N/mm² (28 days)
- Fire resistance (EN 13501-1): B_{FL} s1

Standard Microbase XXL

- Type: Bicomponent microcement
- Aspect: White powder
- Maximum aggregate size: 0,6 mm
- Apparent density:
 - Powder: 1175 ± 50 kg/m³
 - Plaster: 1480 ± 50 kg/m³
 - Hardened: 1430 ± 50 kg/m³ (28 days)
- Compression resistance (EN 13892-2): ≥50 N/mm² (28 days)
- Flexural strength (EN 13892-2): ≥10 N/mm² (28 days)
- Adhesion resistance (EN 13892-8): ≥1,5 N/mm² (28 days)
- Fire resistance (EN 13501-1): B_{FL} s1

Application

a. Preparation layers:

Depending on the type of application substrate, apply one or two coats of Sttandard Microbase XL by metal trowel. On the floor, always apply two coats with the very flexible fiber mesh Builtex. 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:

The application may be finished with a third coat of Sttandard Microbase XL o XXL employing the "fresh on fresh" technique. In pavements it is possible to use Sttandard Microdeck applied in two coats. Sttandard Microfino microcement finish will be used exclusively on walls and non-trafficable surfaces.

"Fresh on fresh"

Sttandard Microbase XL o XXL can be worked using the "fresh on fresh" technique, applying the next coat as soon as the first coat ceases to have "tack" (when the freshly applied microcement stops adhering to the fingers when touched). The second coat of Sttandard Microbase XL o XXL applied with this technique should not be sanded. If burrs or lumps remain, they should be removed with the backer trowel, removing any protruding material. Apply the third coat 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).

Do not apply layers thicker than 1 mm for Sttandard Microbase, Sttandard Microdeck y Sttandard 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® microcements can be sealed with Presealer y el barniz al agua Topsealer® WT. 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 lifetime 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.

Packaging

Available in 20 kg containers: Sttandard Microbase L
Available in 22 kg containers: Sttandard Microbase XL
Available in 24 kg containers: Sttandard Microbase XXL

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 sources of heat and direct sunlight. The shelf life is 24 months from the date of manufacture, if properly stored.



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.

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