



STANDARD

MICROSTONE

STANDARD MICROSTONE (A+B)

Microcement for exteriors



Standard Microstone is a two-component continuous coating (A powder + B Acricem resin) formulated with hydraulic binders, synthetic resins, specific additives and selected colorants.

As part of an application system, the substrate must be prepared with Standard Microbase and products recommended by Topciment®.

Once mixed, it creates a thin coating with high mechanical resistance and strong adhesion on any type of substrate: concrete, cementitious mortars, ceramics, plaster, plasterboard and others.

Properties

- Continuous seamless coating (always respect the expansion joints)..
- Applicable on countless surfaces: concrete, cement, ceramic, plasterboard, etc.
- Excellent workability.
- Wide range of colours.
- Finishes: matt, satin and gloss .
- High adhesion to substrates.
- Greater mechanical and abrasion resistance than Standard Microdeck.
- Non-slip properties without the need for any further treatment

Instructions for use

a. Preparation of the substrate:

Before applying Standard Microstone 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 Microstone 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 Standard Microstone L - 2.8 - 3.0 liters of Acricem resin

10 kg Standard Microstone XL-2.7 - 3.0 liters of Acricem resin.

c. Mortar Preparation:

The mortar should be prepared as follows:

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

d. Consumption:

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 appropriate method for each application.

Consumption

Consumption on surface prepared with Standard Microbase is as follows:

- Standard Microstone L/XL (To coats): 2.00 kg/m².

Technical Data

- Appearance: Two-component microcement
- Maximum aggregate size:
 - L: 0.20 mm / XL: 0.40 mm.
- Bulk density:
 - In powder form: 1175 ± 50 kg/m³
 - In paste: 1480 ± 50 kg/m³
 - Hardened: 1430 ± 50 kg/m³ (28 days)
- Compressive strength (EN 13892-2): >45 N/m² (28 days)
- Flexural strength (EN 13892-2): >11 N/m² (28 days)
- Adhesion to concrete: >1.5 N/m² (28 days)
- Slip resistance (EN 12633:2003): USRV Rd = 55 Class 3
- Reaction to fire: BFL s1

Application

a. Preparation coats:

Apply one coat of Standard Microbase by metal trowel with Builtex flexible fiber mesh. Allow to dry and sand gently with a roto-orbital sander and 40 grit sandpaper to remove imperfections.

b. Finishing coats:

Apply two coats of Standard Microstone by spreading with the aid of a steel BiFlex trowel, using one of the two techniques that follow:

"Fresh on fresh".

Standard Microstone 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 sticking to the fingers when touched). This first coat of Standard Microstone does not require sanding. If there are any burrs or lumps, these should be removed with the backer trowel, removing any protruding material. Apply the next layer working on extruded polystyrene boards. Once the material is dry, carry out a sanding with a roto-orbital sander or 40-grit sandpaper to remove imperfections (as soon as it has changed color and is lighter in color).

"Fresh on dry".

Before applying a new coat, let the previous one dry (about 3 hours) and perform a soft sanding with roto-orbital sander or 40-grit sandpaper in order to remove imperfections.

A total system thickness of 3 to 4 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 pore sealer primer and Topsealer® WT water-based varnish. We recommend scrupulously following the application advice 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 and not 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. Keep out of reach of children.

To prevent the product from drying out or thickening, close the cap after each use. Keep out of the reach of children.

Application field

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

Presentation

Packaged in 20 kg.

Cleaning of tools

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

Pot-life

The pot-life of the product is 1 hour at 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 at the disposal of the professional.

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