



UNLIMITED

MICRODECK

UNLIMITED MICRODECK (A+B)

Finishing microcement



Unlimited Microdeck is the premium range of two-component microcement powder for decorative finishes. It has been formulated to improve its workability, thus reducing the burning effect of the steel trowel and obtaining smoother finishes. In addition, the mechanical resistance has been increased, thereby obtaining the best performance. Unlimited Microdeck has two types of granulometries: S and M to adapt to all preferences.

It is applied as a continuous low thickness 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 application substrate must be prepared with products recommended by Topciment.

Formulated with hydraulic binders, selected aggregates and specific additives, Unlimited Microdeck (component A powder) must be mixed with the Acricem resin (component B liquid) respecting the mixing ratio of this technical sheet to guarantee the properties of the coating. Once mixed, it allows the creation of a low thickness coating of 1 to 3 mm, with high mechanical resistance and strong adhesion to any type of surface: concrete, cementitious mortars, ceramic, MDF, plaster and plasterboard.

Properties

- K- Seamless continuous coating.
- Can be applied to almost any type of substrate: concrete, cement, ceramic, plaster, plasterboard, etc.
- Excellent workability.
- Wide range of colours and effects.
- Matt, satin and gloss finishes.
- High adherence to the surface.

Recommendations for use

a. Preparation of the substrate:

Before applying Unlimited Microdeck microcement it is necessary to prepare the surface with Unlimited Microbase. The application surface must be clean and free of grease, the base must be consolidated and in good condition of planimetry.

b. Mixing ratio:

Unlimited Microdeck is mixed with the Acricem resin and the dyes according to the colour selected. To guarantee the properties of the coating it is essential to respect the proportion between the microcement and the resin:

- 10 kg Unlimited Microdeck S - 3,5 litres of Acricem resin
- 10 kg Unlimited Microdeck M - 3,0 litres of Acricem resin

c. Preparation of the mortar:

The mortar must be prepared as follows:

1. Pour some Acricem resin into a container, add all the pigment load corresponding to the amount of microcement to be worked with and mix until a homogeneously coloured liquid is obtained.

2. Pour the powdered microcement and the resin gradually while mixing the product with a low-speed mechanical mixer.

3. Mix for at least 4 minutes until a homogeneous mixture is obtained that is free of lumps.

d. Consumption:

The consumption will depend on the substrate to be coated. In a standard application the mixing ratio is:

Unlimited Microdeck S (2 layers) – 2,2 kg/m²

Unlimited Microdeck M (2 layers) – 1,8 kg/m²

The better the levelling and preparation of the surface to be coated are, the better the consumption and the lower cost in material and application time will be. It is convenient to choose the right method for each application.

Technical data

Type:	Two-component microcement
Appearance:	White powder
Maximum aggregate size:	Unlimited Microdeck S: 0,18 mm Unlimited Microdeck M: 0,2 mm
Apparent density:	In powder – 1175 ± 50 kg/m ³ In paste – 1480 ± 50 kg/m ³ Hardened – 1430 ± 50 kg/m ³ (28 Tage)
Compressive strength (EN 13892-2):	28 days: ≥ 45 N/mm ²
Flexural strength (EN 13892-2):	28 days: ≥ 10 N/mm ²
Adherence resistance (EN 13892-8):	28 days: ≥ 1,5 N/mm ²
Fire reaction (EN 13501-1):	B _{FL} s1

Application

a. Preparation layer:

Depending on the type of application substrate, apply one or two coats of Unlimited Microbase using a steel trowel. On the floor always cover with two coats and with the flexible fibre mesh Builtex. Before applying a new coat, let the previous one dry and sand it gently with a rotary sander and 40 grain sandpaper, in order to remove any imperfections.

b. Finishing layer:

Apply two coats of Unlimited Microdeck, spreading it out with the help of a flexible steel trowel using one of the two techniques below:

“Fresh on fresh”

Unlimited Microdeck can be applied using the “fresh on fresh” technique, applying the third coat as soon as the second coat no longer has a “tac” (when the newly applied microcement no longer adheres to the fingers when touched). The second coat of Unlimited Microdeck applied with this technique must not be sanded. If there are any burrs or lumps, these should be removed with the help of a spatula, removing any material that may be sticking out. Apply the third coat working over extruded polystyrene boards. Once the material is dry, carry out a soft sanding with a rotary orbital sander or with 40 grain sandpaper in order to eliminate imperfections (as soon as the colour has changed and is clearer).

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

c. Sealing:

The Topciment microcements must be sealed once they have hardened within 24 to 48 hours.

Never before the coating has reached a moisture of less than 5 %, measured with instruments designed for this purpose. The Topciment microcements can be sealed with the Presealer primer and the Topsealer WT water-based varnish.

We recommend that you carefully follow the application tips in the technical data sheets.

Special precautions

This product contains cement.

- Avoid contact with eyes and skin, as well as inhalation of dust.
- Use rubber gloves and protective glasses.
- Do not apply the product at an ambient temperature below 10°C or above 30°C.

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

Empty containers must be disposed of in accordance with current legislation. Keep out of the reach of children.

Packaging

Available in 20 kg buckets.

Cleaning of tools

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

Pot life

The Pot life is of 1 hour at about 20°C. It is advisable to mix quantities in accordance with the experience of the applicator.

Storage conditions

The product should be stored in its closed original packaging, protected from weather conditions at temperatures between 10°C and 30°C, in a dry and well ventilated place away from direct heat and sunlight. Shelf life is 1 year from the date of production, if stored in well-preserved conditions.



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The product should not be used for purposes other than those specified without first having instructions in writing. It is always the user's responsibility to take suitable measures in order to comply with the requirements established in local legislation. Product safety sheets are available for professionals. This technical data sheet will be valid until a new edition appears.

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