

BASE MICROCEMENT · KCBERRY SYSTEM

Microbase KCberry

Two-component preparation microcement for floors and walls

Two-component A+B

1 to 3 mm

Compression ≥ 31.5
N/mm²

Interior and exterior

2.0 kg/m²

Description and use

Microbase KCberry is a two-component powder microcement formulated with hydraulic binders, selected aggregates, synthetic resins and specific additives. It is the preparation layer of the system: it levels the substrate and creates the solid base onto which the **Microtraffic** and **Microfinishing** finishes are applied. Mixed with Royal Resin (component B), it forms a seamless, jointless 1 to 3 mm coating with high mechanical strength and strong adhesion.

Properties and benefits

- **Seamless, crack-free coating**, respecting expansion joints.
- **Applied over existing surfaces**: concrete, cementitious mortars, ceramics, plaster, plasterboard and MDF — no demolition required.
- **High adhesion** to the substrate and excellent workability.
- **Minimal thickness**: renews floors and walls without altering doors or levels.
- Wide range of colours and effects; matt, satin and gloss finishes after sealing.

Field of application

Floors and vertical surfaces in residential and commercial spaces, interior or exterior, dry or wet.

Technical data

Property	Specification	Unit	Method / Standard
Type	Two-component microcement	—	—
Appearance (comp. A)	White powder	—	—
Bulk density (powder)	1 175 ± 50	kg/m ³	—
Bulk density (paste)	1 480 ± 50	kg/m ³	—
Hardened density (28 days)	1 430 ± 50	kg/m ³	—
Pot life	1 hour at 20 °C	—	—
Maximum aggregate size	< 0.5	mm	—
Compressive strength (28 days)	≥ 31.50 (average 33.20)	N/mm ²	EN 13892-2
Flexural strength (28 days)	≥ 9.70 (average 10.20)	N/mm ²	EN 13892-2
Bond strength (28 days)	≥ 1.25 (average 1.95)	N/mm ²	EN 13892-8
System thickness	1 to 3	mm	—
Maximum thickness per coat	1	mm	—
Consumption (2 coats)	2.00	kg/m ²	—

Tests: AIDICO (Instituto Tecnológico de la Construcción) report IE 132679, dated 24/04/2013.

Substrate preparation

The substrate must be clean, free of grease, sound and level. Apply **KCberry Adhesion Promoter** beforehand. Depending on the substrate, specific solutions may be required: 50 g fibreglass mesh, vapour barrier or waterproofing mortar (SubVap). If in doubt, contact KCberry technical support.

Mixing

Microcement	Royal Resin (comp. B)	Ratio
10 kg of Microbase	3.0 L	1 : 0.30

- 1 Pigment the resin.** Pour part of the Royal Resin into a container, add the full dose of pigment corresponding to the quantity of microcement and mix until the colour is uniform.
- 2 Add the powder.** Gradually add the microcement powder and the remaining resin, mixing with a low-speed mechanical mixer.
- 3 Homogenise.** Mix for at least 2 minutes until a smooth, lump-free paste is obtained.

Application

- 1 Preparation coats.** Apply one or two coats of Microbase with a steel trowel, depending on the substrate. On floors, always apply three coats with 50 g fibreglass mesh.
- 2 Sand between coats.** Allow each coat to dry and sand lightly with a random orbital sander and 80-grit sandpaper to remove imperfections.
- 3 Finish.** Finish with a third coat of Microbase applied "wet on wet" or, on floors, with two coats of Microtraffic. Microfinishing is intended for walls and non-trafficked surfaces.
- 4 Seal.** Seal between 24 and 48 hours after hardening, never before the coating has a moisture content below 5% (measured with a suitable meter). Use KCberry Two-Component Polyurethane Varnish, following its technical data sheet.

"Wet on wet" technique. Apply the next coat as soon as the previous one is no longer tacky to the touch. The second coat applied this way is not sanded: any ridges are removed with the trowel. The third coat is applied while working on extruded polystyrene boards and sanded with 40 grit once the material lightens (a sign that it is dry).

PACKAGING

20 kg bucket (component A). Royal Resin in 5 L and 25 L.

CLEANING

Wash tools with water immediately after use. Once hardened, it can only be removed mechanically.

STORAGE

In the original sealed packaging, protected from the weather and always below 30 °C. Store Royal Resin between 10 °C and 30 °C.

SHELF LIFE

12 months from the date of manufacture, in sealed, properly stored packaging.

Precautions

- This product contains cement: avoid contact with eyes and skin and avoid inhaling the dust.
- Wear rubber gloves and safety glasses. Keep out of the reach of children.
- Do not apply at ambient temperatures below 10 °C or above 30 °C. Cold extends and heat shortens pot life and drying time.
- Always respect the expansion joints of the substrate.
- Dispose of empty packaging in accordance with current legislation.
- Microcement should be applied by qualified professionals.

COMPLETE KCBERRY SYSTEM · CUSTOMERS WHO BUY THIS PRODUCT ALSO BUY

KCberry Adhesion Promoter	Primer that bonds the system to the substrate — the first layer.
Royal Resin KCberry	Mandatory component B of the mix (3.0 L per 10 kg).
Fibreglass Mesh	Mandatory reinforcement on floors.
Microtraffic / Microfinishing	Finishing layers over Microbase.
Two-Component Polyurethane Varnish	Final sealing: protection against water, stains and wear.

Need technical support for your project?

The KCberry technical team sizes your system, confirms the right substrate preparation and supports you or your contractor remotely, from order to final seal.

REQUEST A FREE QUOTE: kcberry.ie

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The product must not be used for purposes other than those specified without prior written instructions. The information in this sheet is based on tests and practical experience and is given in good faith; it is the user's responsibility to take the measures needed to comply with applicable legal requirements. The Safety Data Sheet is available to professionals on request. This edition supersedes all previous ones.