

# Microcement Polished Concrete

## Installation Guide



(For both 2-Coat and 3-Coat Systems)

## 1. Product Description

Microcement — also known as microconcrete, microtop, or béton ciré — is a trowel-applied decorative finish for walls, floors, worktops, and furniture.

Concrete Lab Microcement Polished Concrete is a **multi-coat** system, available in **2-coat** or **3-coat** formats. The additional third coat provides extra durability and depth of finish where required.

When you purchase a Concrete Lab Microcement Pack, you will receive:

- A bottle of **Concentrated Primer** for the substrate
- **Microcement Powder** (number of packs depends on coat count and pack size)
- **Ready-To-Use Microcement Resin** (one bottle per coat)
- **Powdered Colourant** (pre-measured for the kit size and number of coats)

Each pack comes in **1m<sup>2</sup>**, **5m<sup>2</sup>**, or **10m<sup>2</sup>** sizes **per coat**.

For example:

- A 5m<sup>2</sup> **2-coat** kit contains two coats that each cover 5m<sup>2</sup>.
- A 5m<sup>2</sup> **3-coat** kit contains three coats that each cover 5m<sup>2</sup>.

### Key Benefits:

- Easy to apply
- Easy to repair if damaged
- Compatible with **Concrete Lab Sealer** for long-lasting protection

**IMPORTANT:** Please read this guide in full before starting your project.

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## 2. Equipment Required

### For Mixing

- Electric paddle mixer (optional but recommended)
- Mixing containers
- Bucket trowel (optional)

### For Application

- Roller & frame
- Paint tray
- Microcement Spatula (available on our website), or flexible skimming blade with rounded edges
- Orbital sander (e.g., Mirka Deros or Rutlands, not cordless)
- Dust extraction system (to connect to sander)
- Mesh-style sanding discs (80, 120, 180, 240 grit – Abranet, Smirdex or similar)

### Personal Protective Equipment

- P3 dust mask
- Protective gloves
- Type 5/6 disposable coveralls
- Eye protection
- Suitable footwear

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### 3. What's Included in Each Pack

#### 1m<sup>2</sup> Pack (Sample)

- Microcement Powder (per coat quantity)
- 1 dye pack
- 1 Bottle Concentrated Primer (dilute 3:1 with clean water)
- Ready-To-Use Microcement Liquid (one per coat)

#### 5m<sup>2</sup> Pack

- Microcement Powder (per coat quantity)
- 1 dye pack
- 1 Bottle Concentrated Primer (dilute 3:1 with clean water)
- Ready-To-Use Microcement Liquid (one per coat)

#### 10m<sup>2</sup> Pack

- Microcement Powder (per coat quantity)
- 1 dye pack
- 1 Bottle Concentrated Primer (dilute 3:1 with clean water)
- Ready-To-Use Microcement Liquid (one per coat)

**Note:** Concrete Lab Sealer is sold separately unless ordered as part of a bundle kit.

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### 4. Surface Preparation

Good preparation is essential to achieve a high-quality finish and long-lasting results.

Concrete Lab Microcement can be applied to a variety of substrates, but they must be:

- Clean and free from grease, wax, dust, or contaminants
- Structurally sound and movement-free
- Fully secure at all joints
- Not subject to standing water (e.g., not suitable for sinks or baths)

For detailed, step-by-step substrate preparation guides — including floors, walls, worktops, and furniture — please visit:

[www.concretelab.co.uk/pages/microcement-help](http://www.concretelab.co.uk/pages/microcement-help)

### 5. Application of Primer

1. Mix primer at **3 parts clean water to 1 part concentrated primer**.
2. Apply one coat with a roller to all areas to be microcemented.
3. Allow to dry for ~30 mins before applying microcement.

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## 6. Mixing the Microcement

- Pot life: ~20–30 mins depending on temperature.
  - For large kits, mix in batches. Refer to our **MICROCEMENT BATCHING INSTRUCTIONS** on our [Microcement Help](#) page.
1. Add microcement resin to clean bucket.
  2. Add dye and mix until blended.
  3. Gradually add microcement powder and mix with paddle mixer until smooth and lump-free.
  4. Scrape bucket sides and base to ensure all powder is mixed.
  5. Mix for ~5 mins, allow to rest for 10 mins, remix to a smooth yoghurt-like consistency.

## 7. Application Process

### For Both 2-Coat and 3-Coat Systems

1. **First Coat** – Apply at grain thickness (~0.5mm). Leave 2–4 hrs to dry. Sand with 80–120 grit.
2. **Second Coat** – Apply at grain thickness. Leave 2–4 hrs to dry. Sand with 120–180–240 grit.
3. **(3-Coat System Only)** – Apply third coat at grain thickness. Leave 2–4 hrs to dry. Sand progressively to desired finish.

If the product is not covering the stated area, it's being applied too thickly.

**Sanding Tip:** Test-sand a small patch to ensure it's ready. If the product "shreds" from the surface, leave it for another hour before sanding. Under normal ambient conditions this should not occur and is more likely in cooler temperatures. If the temperature is below 12–15 °C, drying times may be extended.

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## 8. Sealing with Concrete Lab Sealer

We recommend **Concrete Lab Sealer** for optimal protection.

- Ensure surface is clean, dust-free, and completely dry.
- Follow application instructions supplied with the sealer.
- Apply the specified number of coats for your desired durability and finish.

## Appendix – Flooring & Substrate Diagrams

Full preparation and installation guides for different substrates are available here:  
[www.concretelab.co.uk/pages/microcement-help](http://www.concretelab.co.uk/pages/microcement-help)