



# Microbase 104

Microcement for surface preparation

Pack Size  
15Kgs

## TDS Technical Data Sheet



### Product Description

CLI Microbase 104 is a two-component microcement powder designed for surface preparation before applying finishing microcements like Microfine 1135. It is formulated to be applied as a low-thickness continuous coating on floors and walls, providing excellent mechanical strength and adhesion to various substrates, including concrete, cement-based mortars, ceramic, MDF, plaster, and drywall. CLI Microbase 104 ensures a durable and aesthetic base for subsequent finishing layers.

### Key Features

Continuous decorative coating without fissures Applicable on various surfaces: concrete, cement, ceramic, plasterboard, etc. Excellent workability Available in a wide range of colors Offers finishes in matt, satin, and gloss High adhesion to substrates

### Recommended Uses

- Surface preparation for finishing microcements
- Application on floors and walls in residential, commercial, and industrial spaces
- Suitable for new and renovation projects requiring a high-quality, durable surface finish

### Technical Specifications

Type:	Two-component microcement
Appearance:	White powder
Maximum Size of the Aggregates:	0.4 mm
Apparent Density:	In powder - 1175 ± 50 kg/m <sup>3</sup> ; In mortar - 1480 ± 50 kg/m <sup>3</sup> ; Hardened - 1430 ± 50 kg/m <sup>3</sup> (28 days)
Compressive Strength (EN 13892-2):	≥ 45 N/mm <sup>2</sup> (28 days)
Flexural Strength (EN 13892-2):	≥ 10 N/mm <sup>2</sup> (28 days)
Adherence Strength (EN 13892-8)	≥ 1.5 N/mm <sup>2</sup> (28 days)
Fire Resistance (EN 13501-1)	: BFL s1

## Application Guidelines

### Surface Preparation

Prior to applying CLI Microbase 104, the surface must be prepared according to the substrate's condition. This may involve the use of flat and flexible fiberglass mesh Builtex for reinforcement in some cases. Ensure the surface is clean, dry, and free from any contaminants that may hinder adhesion.

### Mixing Instructions

Add CLI Microbase 104 resin and pigments in the recommended proportions. The resin-microcement ratio is crucial for maintaining the product's properties:

- 10 kg of CLI Microbase 104 requires 2.5 to 3.0 liters of resin.

### Mortar Preparation

Pour Part A (resin) into a container and add the corresponding pigment load. Mix until a uniform, colored liquid is obtained. Gradually add the microcement powder while mixing with a low-speed drill. Mix for at least 4 minutes until a smooth, lump-free consistency is achieved.

### Application Layers

Apply one or two layers of CLI Microbase 104 with a steel trowel, depending on the surface. On floors, always apply two layers and use flexible fiberglass mesh Builtex. Before applying a new layer, sand the previous one with a random orbital sander using 40-grit sandpaper to remove irregularities.

### Finishing Coat

The application can be completed with a third coat of CLI Microfine 1135 using the "fresh on fresh" technique. Do not apply layers thicker than 1 mm. A total thickness of 3 mm for the combined layers is recommended.

### Sealing

CLI Micro Topping should be sealed once the surface has hardened, typically after 24-48 hours. Ensure the coating's humidity is below 5% before sealing. Seal using the primer Microseal A/P(U)/P(2S), following the application instructions provided in the technical datasheet.

### Special Precautions

This product contains cement. Avoid contact with eyes and skin, as well as inhalation of powder. Use rubber gloves and safety glasses during application. Apply the product at ambient temperatures between 10°C and 30°C. Dispose of empty containers in accordance with local regulations. Keep out of reach of children.

### 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 approximately 1 hour at 20°C. Mix quantities according to the applicator's experience.

### Storage and Shelf Life

Store the product in its original, unopened packaging in a dry and well-ventilated place at temperatures between 10°C and 30°C. Protect from direct heat and sunlight. The product has a shelf life of 1 year from the production date when stored properly.

### Pack Size

15Kgs



### Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

### Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

### Legal Disclaimer

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