



Microbase 106

Microcement for surface preparation

Pack Size
20Kgs

TDS
Technical Data Sheet



Description

CLI Microbase 106 is a two-component microcement in powder form, designed for surface preparation before applying finishing CLI Microfine 1135. It is formulated to be applied as a low-thickness continuous coating onto floors and walls. CLI Micro Topping is applied in several layers with a trowel, allowing the creation of a wide range of finishes. The surface should be prepared with CLI Microbase 106 using products recommended by CLI. The product is made from hydraulic binders, selected aggregates, synthetic resin, and specific additives. CLI Microbase 106 (Component A in powder) needs to be mixed with Component B (liquid) according to the quantities specified to guarantee its features. Once mixed, the product can create a coating of 1-3 mm, with high mechanical strength and strong adhesion to any type of substrate, including concrete, cement-based mortars, ceramic, MDF, plaster, and drywall, as long as they are correctly prepared.

Properties

Continuous decorative coating without fissures (always respect the expansion joints). Applicable on countless surfaces, including concrete, cement, ceramic, plasterboard, and more. Excellent workability. Wide range of colors. Finishes include matt, satin, and gloss. High adhesion to substrates.

Recommendations for Use

Surface Preparation: Prior to the application of CLI Microbase 106, it is necessary to prepare the surface depending on the conditions of the support to be coated. Some coatings require specific solutions like the flat and flexible fiberglass mesh. Mix: Add CLI Micro Topping resin and pigments in the recommended proportions. It is essential to respect the resin-microcement ratio to ensure the product's properties: 10 kg of CLI Microbase 106 with 2.5 - 3.0 liters of CLI Micro Topping resin. Mortar Preparation: The mortar must be prepared as follows:

1. Pour some Part A into a container, then add the entire load of pigment corresponding to the amount of microcement and mix until an even, colored liquid is obtained.
 2. Pour the microcement powder gradually into the resin while mixing the product with a low-speed mixing drill.
 3. Mix for at least 4 minutes until a smooth mixture free of lumps is obtained.
- Consumption: The consumption depends on the surface. In a standard application, it would be as follows: CLI Microbase 106 (2 layers) - 2.00 kg/m². The better the leveling and preparation of the surface to be coated, the better the consumption and the lower the time of installation. It is advisable to choose the suitable method for each application.

Technical Data

Type:	Two-component microcement
Appearance:	White powder

Maximum Size of the Aggregates:	0.5 mm
Apparent Density:	In powder - 1175 ± 50 kg/m ³ ; In mortar - 1480 ± 50 kg/m ³ ; Hardened - 1430 ± 50 kg/m ³ (28 days)
Compressive Strength (EN 13892-2):	28 days: ≥ 55 N/mm ²
Flexural Strength (EN 13892-2):	28 days: ≥ 10 N/mm ²
Adherence Strength (EN 13892-8)	: 28 days: ≥ 1.5 N/mm ²
Fire Resistance (EN 13501-1)	: BFL s1

Application

Application Layers: Apply one or two layers of CLI Microbase 106 with a steel trowel depending on the type of surface. On floors, always apply two layers and use the flexible fiberglass mesh Builtex. Before applying a new layer, the previous one needs to be sanded with a random orbital sander and with 40-grit sandpaper to remove irregularities. **Finishing or Setting Coat:** The application can be finished with a third coat of CLI Microfine 1135 using the "fresh on fresh" technique. CLI Micro Topping can be installed onto floors in two layers, and CLI Micro Topping is used exclusively onto walls and floors. Do not apply layers of CLI Microbase 106 or CLI Microfine thicker than 1 mm. We recommend a total thickness of the combined layers of 3 mm. **Sealing:** CLI Micro Topping should be sealed once they have hardened, after 24-48 hours. Sealing shall be done after the coating reaches humidity lower than 5%, measured with tools designed for this purpose. CLI Micro Topping can be sealed with the primer Microseal A/P(U)/P(2S). We highly recommend following the application instructions of the technical datasheet.

Special Precautions

This product contains cement. Avoid contact with eyes and skin, as well as powder inhalation. Use rubber gloves and safety glasses. Apply this product at ambient temperatures between 10°C and 30°C. Both low and high temperatures might vary the pot life and drying times considerably. Empty containers must be disposed of in accordance with current local regulations. Keep out of the reach of children.

Cleaning of the 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 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.

Pack Size

20Kgs



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

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.