



Microfine 1135

Microcement for surface preparation

Pack Size
15Kgs

TDS Technical Data Sheet



Description

CLI MicroFine 1135 is a two-component microcement powder 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. This product is specifically prepared to ensure strong adhesion to various substrates, including concrete, cement-based mortars, ceramic, MDF, plaster, and drywall.

Properties

CLI MicroFine 1135 offers a continuous decorative coating without fissures, provided that expansion joints are respected. It is applicable on numerous surfaces, including concrete, cement, ceramic, plasterboard, and more. The product has excellent workability and is available in a wide range of colors with finishes such as matt, satin, and gloss. It also provides high adhesion to substrates.

Recommendations for Use

Surface preparation: Prior to application, it is necessary to prepare the surface according to the conditions of the substrate to be coated. Some coatings may require specific solutions such as the flat and flexible fiberglass mesh Builtex.

Mix: Add resin and pigments in the recommended proportions. It is essential to respect the resin-microcement ratio to ensure the product's properties. For example, mix 10 kg of CLI MicroFine 1135 with 3.0 liters of resin.

Mortar preparation: The mortar must be prepared by pouring some Part A into a container, adding the entire load of pigment corresponding to the amount of microcement, and mixing until an even, colored liquid is obtained. Gradually pour the microcement powder into the resin while mixing the product with a low-speed mixing drill for at least 4 minutes until a smooth mixture free of lumps is obtained.

Consumption: Consumption depends on the surface. In a standard application, CLI MicroFine 1135 (2 layers) requires approximately 1.40 kg/m². Better leveling and preparation of the surface to be coated can lead to lower consumption and reduced installation time.

Technical Data

Type:	Two-component microcement
Appearance	White powder
Maximum size of the aggregates:	0.135 mm
Apparent density (in powder):	1175 ± 50 kg/m ³

Apparent density (in mortar):	1480 ± 50 kg/m ³
Apparent density (hardened, 28 days):	1430 ± 50 kg/m ³
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 MicroFine 1135 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, sand the previous one with a random orbital sander and 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 MicroFine 1135 can be installed onto floors in two layers both on floors and walls. Do not apply layers thicker than 1 mm. A total thickness of the combined layers should not exceed 3 mm.

Sealing: CLI Micro Topping should be sealed once it has hardened, after 24-48 hours. Sealing should 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). It is highly recommended to follow the application instructions of the technical datasheet carefully.

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 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

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

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.

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