MEDLime

Two-Component Lime-Based Microcements for smoothing and Finishing

Product description

Two-component microcement formulated with lime, cement, selected aggregates, and natural additives. When mixed with ESACRIL liquid resin, it achieves excellent performance properties. Perfect for finishes that resemble polished concrete, providing decorative coatings for floors and walls and creating continuous surfaces in homes, retail stores, offices, restaurants, hotels, exhibitions, and more.

Product Variants:

MEDLIME BC6 (fiber-reinforced): Levelling and finishing for floors and walls

MEDLIME BC4: Levelling and finishing for floors and walls

MEDLIME BC2: Light finish for floors and walls

Properties

Continuous decorative coating system designed for both vertical and horizontal surfaces.

Suitable substrates: concrete, ceramic, terrazzo, and rigid mortars

Application versatility: excellent workability with “wet-on-wet” and “wet-on-dry” techniques

High performance: strong surface hardness and exceptional crack resistance

Substrate Preparation

Cement-based surfaces must be fully cured with a minimum drying period of 28 days and a compressive strength of at least 1.5 N/mm². The substrate must be clean and free of moisture, cracks, oil, grease, or any contaminants that could interfere with proper microcement adhesion. Mechanical preparation methods—such as grinding or diamond sanding—are strongly recommended.

Once the surface is prepared, apply two coats of P541 primer on cement-based substrates, ceramic, terrazzo, and marble.

 If the substrate exhibits moisture due to groundwater or capillary rise, perform an anti-moisture treatment using ESTILPOX DPM primer.

 To consolidate and repair cracks in the substrate, use ESTILPOX P100 primer and saturate it with quartz aggregate.

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Instructions for use

Medlime microcements must only be mixed with ESACRIL liquid resin.

Pour the indicated amount of ESACRIL into a clean bucket. Add the appropriate amount of pigment and stir. Gradually add the powder and mix with a low-speed mixer for 2 to 3 minutes until a lump-free consistency is achieved. Let the mixture sit for 3 to 4 minutes, then stir again for an additional 2 to 3 minutes.

Pot life is approximately 1 hour, depending on ambient temperature. If the mixture thickens during this time, gently re-stir with a trowel. Do not add more resin or water once mixed.

Apply in thin layers using a metal or plastic trowel. □□ Recommended ambient temperature for application: between 10°C and 25°C.

Coloring Medlime microcements are integrally colored using MCT pigments. To achieve tones from the Microestil color chart, use half the dosage indicated on the MCT pigment containers (50% less).

Mixing Ratios with ESACRIL Resin :

MEDLIME BC6 25Kg : 5,75 – 6 Lts

MEDLIME BC4 20Kg : 7,6 – 6 Lts

MEDLIME BC2 20Kg : 7 – 7,5Lts

Please refer to the application manuals and system sheets for related products and detailed process instructions.

Performance

	MEDLIME BC6	MEDLIME BC4	MEDLIME BC2
Consumption m² / in two layers	3-4Kg	2Kg	1-1,2Kg
Bucket format	25Kg	20Kg	20Kg

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Technical Data

PROPERTIES	MEDLIME BC6	MEDLIME BC4	MEDLIME BC2
Appearance	Powder	Powder	Powder
Color	White	White	White
Mixing Component	ESACRIL	ESACRIL	ESACRIL
Mixture density	Aprox. 1,80 gr/cc	Aprox. 1,74 gr/cc	Aprox. 1,72 gr/cc
Mix working life	1 hour at20°C	1 hour at20°C	1 hour at20°C
Solid content	100%	100%	100%
Maximum aggregate size	0,6mm	0,4mm	0,2mm
Adhesion strength – UNE-EN 13892-8:2003	2,1 N/mm^2	2,4 N/mm^2	2,1 N/mm^2
Impact resistance – UNE-EN ISO 6272:2012	>14,7 N/mm^2	>14,7 N/mm^2	>14,7 N/mm^2
Wear resistance (Böhme method) – UNE-EN 13892-3:2003	21,3 cm3/ 50 cm2	17,7 cm3/ 50 cm2	17,3 cm3/ 50 cm2
Compressive strength (after 28 days) UNE-EN 13892-2:2003	42,4 N/mm^2	34,4 N/mm^2	32,8 N/mm^2
Flexural strength (after 28 days) UNE-EN 13892-2:2003	10,9 N/mm^2	10,0 N/mm^2	9,6 N/mm^2

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Tool Cleaning

Tools must be cleaned immediately after use with water. Once the product has hardened, tools can only be cleaned by mechanical means.

Storage

Store in its original sealed container, protected from weather exposure, at temperatures between 10–25°C, in a dry and well-ventilated area. Keep away from heat sources and direct sunlight.

Shelf life is one year from the date of manufacture when stored correctly.

Safety Instructions

This product contains cement, which may affect the eyes, skin, and mucous membranes. Therefore, it is recommended to use a mask, gloves, and protective goggles.