



NATURE

NATTURE L

Product Description

Two-component lime-based microcement for seamless thin-layer coatings on floors and walls for decorative finishes.

Uses

This system serves as a high-performance continuous coating, suitable for application on floors, vertical surfaces, stairs, ceilings, and even furniture. Its high functional and aesthetic versatility makes it an ideal solution for both residential projects and commercial spaces, large-scale facilities like sports centers, industrial warehouses, and high-traffic environments such as hotels and restaurants.

Properties

- Seamless continuous coating (always respect expansion joints). Thickness between 1-3mm.
- Notable for its handcrafted finish, workability, and extreme hardness.
- Applied with a trowel in multiple layers, allowing for a wide range of effects like tadelakt or exposed concrete finishes. Excellent workability. Wide range of colors and effects.
- Applicable on almost any type of surface, both horizontal and vertical.
- High mechanical resistance and strong adhesion to any type of substrate: concrete, cementitious mortars, ceramics, MDF, plaster, and drywall.
- Great abrasion resistance, especially in high granulometry.
- As part of an application system, the substrate is prepared with NATTURE XL or L followed by NATTURE M and S finishes.

Description

Topciment offers four categories of NATTURE microcement based on application, which are divided into two main groups: For preparation, use NATURE XL and L before applying the finishing layers, which are NATTURE M and S.

Topciment Microcement Classification by Granulometry and Recommended Usage

NATTURE	Granulometry (mm)	Recommended Usage
L	0.3	Preparation and Finishing of Floors
XL	0.4	
S	0.125	Wall finish
M	0.18	Interior floor finish

Technical Data

PROPERTIES POWDER COMPONENT A		SPECIFICATION	UNIT	METHOD
Features		Powder		
Composition		Cement, additives, and selected aggregates		
Maximum Aggregate Size		0.3	mm	
Apparent Density in Powder		1175±50	Kg/m3	
PROPERTIES RESIN COMPONENT B ACRICEM		SPECIFICATION	UNIT	METHOD
Features		Milky liquid		
Composition		Polyacrylate in emulsion		
Density Comp. B		1.03±0.01	g/cm3	UNE-EN ISO 2811-1
Viscosity at 23°C Comp. B		<100	mPa·s	EN ISO 3219
Non-Volatile Content Comp. B		22-23	%	UNE-EN ISO 3251:2020
pH Comp. B		9-10		UNE-EN ISO 19396-1:2020
PROPERTIES OF MIXTURE A+B		TYPE	UNITS	
		L		
Mix Ratio		20Kg Natture L per 6.6 L of Acricem resin		
Yield for Two Coats		1.4	kg/m ²	
Bulk Density in Paste		1480±50	Kg/m3	
Bulk Density When Hardened		1430 ±50	Kg/m3	
Pot Life at 20°C (Shelf Life)		60	min.	
Minimum Drying Time Between Layers		4	hours	
Number of layers		2		
System thickness		1-3	mm	
Trowel type (material)		Metallic		
Sandpaper grit		40		
Application temperature		5-30	°C	
Air humidity		65-90	%	

Certificates: Declared performance CE marking

EN 13813:2002	L	UNITS
Compressive strength 28 days (EN 13892-2)	48.3	MPa
Flexural strength 28 days (EN-13892-2)	12.3	MPa
Adhesion strength (EN 13892-8)	>1.5	MPa
Fire behavior (EN13501-1)	Bfl-s1	

1.1. Preparation of the Surface.

The application surface must be clean and free of grease, with a consolidated base and in good planimetric condition

1.2. Priming.

Before applying NATTURE Microbase microcement, it is essential to properly prepare the surface according to its specific conditions. Depending on the type and condition of the substrate, particular technical solutions may be required, such as incorporating flat and flexible Bultex fiberglass mesh for structural reinforcement, using Primacem® PLUS priming on non-absorbent surfaces or Primacem® ABS on absorbent surfaces, as well as applying moisture barriers against capillarity or vapor using Primapox® Barrier.

In any case, it is recommended to apply the microcement while the primer still has tack (stickiness to the touch) to ensure optimal adhesion. If the primer cures completely and loses tack (especially in the case of epoxy primers), adhesion is reduced and detachments may occur. If the primer is already dry, it is necessary to sand the surface before applying the microcement to restore anchoring. In all cases, it is essential to rigorously follow the technical advice provided by our specialists and consult the technical datasheets for each product.

1.3. Mixing.

Nature is blended with Acricem resin and colorants according to the selected shade. To ensure the coating's properties, it is essential to maintain the ratio between microcement and resin.

The mortar should be prepared as follows:

1. Pour a small amount of Acricem resin into a container, add the full load of pigment corresponding to the quantity of microcement to be used, and mix until you achieve a uniform color liquid.
2. Gradually add the microcement powder and resin while continuously mixing the product with a low-speed mechanical mixer.
3. Mix for at least 4 minutes until you obtain a smooth, lump-free mixture.

1.4. Mortar Application.

a. Preparation Coats:

Apply two coats of Nature XL using a metal trowel. On floors, apply a layer of flexible Bultex mesh before the first coat, then apply two coats of microcement. Allow each coat to dry for 4 hours and perform a gentle sanding with a random orbital sander and 40-grit sandpaper to remove imperfections.

b. Finishing Coats:

The application can be completed with one coat of NATTURE XL, L, M, or S. Between coats, allow the previous one to dry for 4 hours and lightly sand with an orbital sander and 40-grit sandpaper for NATTURE XL and L, 80-grit for NATTURE M, and 220-grit for NATTURE S, to remove imperfections. The NATTURE S finishing microcement is exclusively for walls and non-walkable surfaces

The finishing coats can be applied using the techniques "wet on wet" or
"Wet on dry"
"Wet on wet"

Nature can be applied using the "wet on wet" technique, applying the next coat as soon as the previous one loses its tack (when the freshly applied microcement no longer sticks to the fingers upon touch). In this case, the first coat of Nature applied with this technique should not be sanded. If there are any ridges or bumps, they should be removed with a support spatula by trimming off the protruding material. Apply the next coat over extruded polystyrene boards. Once the material is dry, perform a gentle sanding with an orbital sander or with the corresponding grit sandpaper (see table) to eliminate imperfections.

"Wet on dry"

Before applying a new coat, allow the previous one to dry (approximately 4 hours) and perform a gentle sanding with an orbital sander or with the corresponding grit sandpaper (see table) to eliminate imperfections.

Do not apply layers thicker than 1 mm for Natture microcements. A total system thickness of 1 to 3 mm is recommended. **1.5. Sealing.**

Topciment microcement systems® must be sealed once the curing process is complete, which happens between 24 and 48 hours after application. The sealing operation should not begin until the coating shows a residual moisture content below 5%, a value that must be verified using specific moisture measurement instruments. For sealing, it is recommended to use the Presealer primer, followed by the application of a varnish from the Topsealer® range. Specifically, the use of Topsealer WT Dragon is suggested, as it is the most advanced and complete product in the line. It is essential to strictly adhere to the application instructions detailed in the technical data sheets for each product. **1.6. Cleaning tools.** Tools should be washed with water immediately after use. Once hardened, the material can only be removed mechanically.

Limitations

The better the leveling and preparation of the surface to be covered, the better the performance and the lower the cost of material and application time. It is advisable to choose the appropriate method for each application. Low temperatures extend and high temperatures considerably reduce the product's lifespan and drying time. Do not apply the product at ambient temperatures below 10°C or above 30°C. Air humidity should be between 65 and 90%.

Special precautions

This product contains cement.

- Avoid contact with eyes and skin, and do not inhale the dust.
- Wear rubber gloves and protective goggles.
- Do not apply the product at temperatures below 10°C or above 30°C.

It's crucial to follow the label instructions. For further information, refer to the product's safety sheet.

Empty containers must be disposed of according to current legal regulations. Keep out of reach of children.

Presentation

Available in 20 kg packages: Natture L

Available in 5L and 25L containers: Acricem

Storage Conditions

Store the product in its original sealed container, protected from the weather at temperatures between 10°C and 30°C, in a dry and well-ventilated area, away from heat sources and direct sunlight. It remains usable for 24 months from its manufacture date when stored properly.



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The product should not be used for purposes other than those specified without obtaining written instructions for handling. It is always the user's responsibility to take appropriate measures to comply with legal requirements. Product Safety Data Sheets are available to professionals.

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