



# NATURE

## NATTURE S

### Product Description

**Bicomponent lime-based microcement for thin continuous coatings on floors and walls for decorative finishes.**

### Uses

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

### 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 variety of effects such as 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, ceramic, MDF, plaster, and drywall.
- Great abrasion resistance, especially in high granularities.
- 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 depending on its application, which are divided into two main groups: Preparation with NATURE XL and L before applying the finishing layers, which are NATTURE M and S.

#### Topciment Microcement Classification by Grain Size and Recommended Application

NATTURE	Grain Size (mm)	Recommended Application
L	0.3	Preparation and Floor Finishing
XL	0.4	
S	0.125	Wall Finish
M	0.18	Interior Floor Finish

## Technical Data

PROPERTIES OF COMPONENT A POWDER		SPECIFICATION	UNIT	METHOD
<b>Characteristics</b>		Powder		
<b>Composition</b>		Cement, additives, and selected aggregates		
<b>Maximum Aggregate Size</b>		0.1	mm	
<b>Bulk Density in Powder</b>		930±50	Kg/m3	
PROPERTIES OF COMPONENT B ACRICEM RESIN		SPECIFICATION	UNIT	METHOD
<b>Characteristics</b>		Milky liquid		
<b>Composition</b>		Polyacrylate in emulsion		
<b>Density of Comp. B</b>		1.03±0.01	g/cm3	UNE-EN ISO 2811-1
<b>Viscosity at 23°C of Comp. B</b>		<100	mPa·s	EN ISO 3219
<b>Non-Volatile Content Comp. B</b>		22-23	%	UNE-EN ISO 3251:2020
<b>pH Comp. B</b>		9-10		UNE-EN ISO 19396-1:2020
PROPERTIES MIX A+B		TYPE	UNITS	
		S		
<b>Mix Ratio</b>		15Kg NATURE S per 6.4 L of Acricem resin		
<b>Coverage for Two Coats</b>		0.5	kg/m <sup>2</sup>	
<b>Apparent Density in Paste</b>		1420±50	Kg/m3	
<b>Apparent Density Hardened</b>		1310 ±50	Kg/m3	
<b>Pot Life at 20°C</b>		60	min.	
<b>Minimum Drying Time Between Coats</b>		4	hours	
<b>Number of layers</b>		2		
<b>System thickness</b>		1-3	mm	
<b>Trowel type (material)</b>		Flexible Rubber		
<b>Sanding grain</b>		220		
<b>Application temperature</b>		5-30	°C	
<b>Air humidity</b>		65-90	%	

## Certifications: Declared performances CE Marking

EN 13813:2002	S	UNITS
<b>Compression strength 28 days (EN 13892-2)</b>	32.5	Mpa
<b>Flexural strength 28 days (EN-13892-2)</b>	8.3	Mpa
<b>Adhesion strength (EN 13892-8)</b>	>1.2	Mpa
<b>Fire behavior (EN13501-1)</b>	Bfl-s1	

### 1.1. Surface Preparation.

The surface for application must be clean and free of grease, with a consolidated base in good level conditions

### 1.2. Priming.

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

In any case, it is recommended to apply the microcement when the primer still has tack (sticky to the touch) to ensure optimal adhesion. If the primer fully cures and loses tack (especially with epoxy-based primers), adhesion is reduced and detachment may occur. If the primer is already dry, the surface must be sanded before applying the microcement to restore adhesion. In all cases, technical advice provided by our specialists should be followed rigorously, and the technical data sheets for each product should be consulted.

### 1.3. Mixing.

Nature is blended with Acricem resin and the chosen colorants. To ensure the coating's properties, it is crucial to maintain the correct ratio between the microcement and resin. The mortar should be prepared as follows:

1. Pour a bit of Acricem resin into a container, add the entire pigment load corresponding to the microcement amount you'll be working with, and mix until you achieve a uniform color liquid.
2. Gradually add the powdered microcement and resin while continuously mixing the product with a low-speed mechanical mixer.
3. Mix for at least 4 minutes until you have a smooth, lump-free mixture.

### 1.4. Mortar Application.

#### a. Preparation coats:

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

#### b. Finish Coats:

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

Finish coats can be applied using the "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," meaning when the freshly applied microcement no longer sticks to the fingers upon touch. In this case, the first coat applied with this technique should not be sanded. If there are any burrs or bumps, they should be removed with a support spatula, trimming any material that protrudes. Apply the next coat while working on extruded polystyrene boards. Once the material is dry, lightly sand with a random orbital sander or with appropriate grit sandpaper (see table) to eliminate imperfections.

"Wet-on-dry"

Before applying a new coat, let the previous one dry (about 4 hours) and perform a gentle sanding with a random orbital sander or with the appropriate grit sandpaper (see table) to remove 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 after the curing process is complete, which occurs 24 to 48 hours after application. Sealing should not begin until the coating shows a residual moisture content of less than 5%, a value that must be verified using specific moisture measurement instruments. For sealing, it is recommended to use Presealer primer, followed by a varnish from the Topsealer® range. Specifically, Topsealer WT Dragon is suggested, as it is the most advanced and comprehensive product in the line. It is crucial to strictly follow 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 coated, the better the performance and the lower the material and application time costs. Choosing the appropriate method for each application is advisable. Low temperatures extend and high temperatures significantly reduce the product's lifespan and drying time. Do not apply the product at ambient temperatures below 10°C or above 30°C. The 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 is essential to follow the label instructions. For more information, refer to the product's safety data sheet.

Empty containers must be disposed of in accordance with current legal regulations. Keep out of reach of children.

## Packaging

Available in 15 kg packages: Natture S

Available in 5 and 25 L packages: Acricem

## Storage Conditions

The product should be stored in its original, sealed container, protected from the elements at temperatures between 10°C and 30°C, in a dry and well-ventilated area, away from heat sources and direct sunlight. When stored correctly, it can be used for up to 24 months from its manufacturing date.



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

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