



NATTURE



Two-component lime-based microcement

NATTURE is a two-component lime-based microcement. It has been formulated to be applied as a continuous low-thickness coating on floors and walls. It stands out for its handmade finish, its workability and its extreme hardness. It is applied by trowel applied in several coats, allowing a wide variety of effects to be achieved, such as tadelak or concrete. As part of an application system, the substrate is prepared with NATTURE XL or L followed by NATTURE M and S finishes.

Formulated with hydraulic binders, selected aggregate and lime, NATTURE (component A powder) must be mixed with the Acricem resin (component B liquid) respecting the proportions of this data sheet to guarantee the properties of the coating.

Once mixed, it allows to create a coating with a low thickness of 1 to 3 mm, with high mechanical resistance, very good workability and strong adhesion on all types of substrates: concrete, cementitious mortar, ceramic, MDF and plasterboard.

Characteristics

- Continuous seamless coating (always respect expansion joints).
- Applicable on almost any type of substrate: concrete, cement, ceramic, plaster, drywall, etc.
- Excellent workability.
- Wide range of colours and effects.
- Matt, satin and gloss finishes.
- High adhesion to the substrate.
- Handmade finish.
- High hardness.

Instructions for use

Preparing the substrate

Before applying Microcemento Natture, it is necessary to prepare the surface according to the conditions of the substrate to be applied. Some applications require specific solutions: Builtex flat and flexible fibreglass mesh, adhesion promoters such as Primacem® PLUS or Primacem® ABS, vapour barriers or rising damp barriers Primapox® Barrier. In all cases follow the recommendations of our technicians.

The substrate must be clean and free of grease, the base must be consolidated and in good level condition.

Mixing

Natture is mixed with Acricem resin and dyes according to the selected colour. To guarantee the properties of the coating, it is essential to respect the ratio between the microcement and the resin:

18 kg of NATTURE XL – 6 L of Acricem resin
 18 kg of NATTURE L – 6,7 L of Acricem resin
 18 kg of NATTURE M – 7,5 L of Acricem resin
 15 kg of NATTURE S – 6,4 L of Acricem resin

Preparation of the mortar

The mortar should be prepared as follows:

1. Pour the Acricem resin into a container, add the entire load of pigment corresponding to the quantity of microcement to be worked with and mix until a homogeneous colour liquid is obtained.
2. Pour the microcement powder gradually while mixing the product with a low speed mechanical mixer.
3. Mix for at least 4 minutes until a homogeneous, lump-free mixture is obtained.

Consumption

The better the levelling and preparation of the surface to be coated, the better the performance and the lower the material cost and application time. It is advisable to choose the appropriate method for each application.

Consumption

Consumption depends on the substrate to be coated. In a standard application the coverage is:

NATTURE XL – (Two coats): 2 kg/m²
 NATTURE L – (Two coats): 1,4 kg/m²
 NATTURE M – (Two coats): 1 kg/m²
 NATTURE S – (Two coats): 0,5 kg/m²

Technical data

Natture XL

Type	Two-component microcement
Appearance	White powder
Maximum aggregate size	0,4 mm
Bulk density	In powder form: 1175 ± 50 kg/m ³ In paste: 1480 ± 50 kg/m ³ Hardened: 1430 ± 50 kg/m ³ (28 days)
Compressive strength (EN 13892-2)	≥60 N/mm ² (28 days)
Flexural strength (EN 13892-2)	≥10 N/mm ² (28 days)
Adhesion strength (EN 13892-8)	≥1,5 N/mm ² (28 days)
Reaction to fire (EN 13501-1)	BFL s1

Natture L

Type	Two-component microcement
Appearance	White powder
Maximum aggregate size	0,3 mm
Bulk density	In powder form: 1175 ± 50 kg/m ³ In paste: 1480 ± 50 kg/m ³ Hardened: 1430 ± 50 kg/m ³ (28 days)
Compressive strength (EN 13892-2)	≥60 N/mm ² (28 days)
Flexural strength (EN 13892-2)	≥10 N/mm ² (28 days)
Adhesion strength (EN 13892-8)	≥1,5 N/mm ² (28 days)
Reaction to fire (EN 13501-1)	BFL s1

Natture M

Type	Two-component microcement
Appearance	White powder
Maximum aggregate size	0,2 mm
Bulk density	In powder form: 1175 ± 50 kg/m ³ In paste: 1450 ± 50 kg/m ³ Hardened: 1390 ± 50 kg/m ³ (28 days)
Compressive strength (EN 13892-2)	≥45 N/mm ² (28 days)
Flexural strength (EN 13892-2)	≥10 N/mm ² (28 days)
Adhesion strength (EN 13892-8)	≥1,2 N/mm ² (28 days)
Reaction to fire (EN 13501-1)	BFL s1

Natture S

Type	Two-component microcement
Appearance	White powder
Maximum aggregate size	0,1 mm
Bulk density	In powder form: 930 ± 50 kg/m ³ In paste: 1420 ± 50 kg/m ³ Hardened: 1310 ± 50 kg/m ³ (28 days)
Compressive strength (EN 13892-2)	≥32 N/mm ² (28 days)
Flexural strength (EN 13892-2)	≥7 N/mm ² (28 days)
Adhesion strength (EN 13892-8)	≥1,2 N/mm ² (28 days)
Reaction to fire (EN 13501-1)	BFL s1

Preparation coats

Depending on the type of substrate to be applied, apply one or two coats of NATURE XL or L with a metal trowel. On floors, apply , before the first coat , Builtex flexible fibre mesh and then apply two coats of microcement. Between coats, let the previous one dry for 4 hours and sand gently with a roto-orbital sander and 40-grit sandpaper, in order to eliminate imperfections.

Finishing coats

The application can be finished with two coats of NATURE M or S . Between coats, allow the previous one to dry for 4 hours and sand gently with a roto-orbital sander and 40-grit sandpaper to remove imperfections. The micro-cement NATURE S finish is for exclusive use on walls and non-trafficable surfaces.

“Fresh on fresh”

NATURE can be worked using the “ fresh on fresh “ technique, applying the third coat as soon as the second coat no longer has a “tac” (when the freshly applied microcement stops sticking to the fingers when touched). The second coat of NATURE applied with this technique should not be sanded. If burrs or lumps remain, these should be smoothed out with the spatula, removing any protruding material. Apply the third coat working on extruded polystyrene boards. Once the material is dry, carry out sanding with a roto-orbital sander or 40-grit sandpaper to remove imperfections (as soon as the material has changed colour and is lighter in colour).

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

Sealing

Topciment® microcements should be sealed after hardening between 24 and 48 hours. Never before the coating has reached a moisture content of less than 5%, measured with instruments designed for this purpose. Topciment® microcements can be sealed with Presealer® water-based primer and Topsealer® WT water-based varnish. We recommend scrupulously following the application advice in the technical data sheets.

Special precautions

- This product contains cement.
- Avoid contact with eyes and skin and avoid inhalation of dust.
- Use rubber gloves and protective goggles.
- Do not apply the product at room temperature below 10°C or above 30°C.
- Low temperatures extend and high temperatures significantly reduce the shelf life of the product and the drying time of the product.
- Empty containers must be disposed of in accordance with current legal regulations.
- To prevent the product from drying out or thickening, close the lid after each use.
- Keep out of the reach of children.

Packaging

Available in 18 kg bucket: NATTURE XL, L and M.
Available in 15 kg bucket: NATTURE S

Cleaning of tools

Tools should be washed with soap and water immediately after use

Storage conditions

It should be stored in its original closed packaging and protected from the weather at temperatures between 10°C and 30°C, in a dry and well ventilated place, away from sources of heat and direct sunlight. The shelf life is 24 months from the date of manufacture, if stored properly.



The product must not be used for purposes other than those specified, without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legal requirements. The Safety Data Sheets of the product are available to the professional.

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