



MICROCEMENT READY TO USE FOR CONTINUOUS FLOORING AND COATING

MICROLANIC CONE



FIBER



Description, uses and consumption

Description

MICROLANIC ONE is a range of ready-to-use fiber microcements with infinite decorative possibilities, combining textures and colors without limit. The MICROLANIC ONE collection is made up of 3 products, COARSE READY TO USE, PATH READY TO USE, and FINE READY TO USE, with a diverse scale of granulometry, which adapt to the design requirements and particular mechanical resistances of each project. These three products allow us to respond to all types of supports and surfaces, both floors and coverings, intended for interiors and exteriors.

At the forefront of contemporary trends in architecture and decoration, its innovative formulation composed of selected fillers, nano additives and VOC-free resins, make it a coating that is as exclusive as it is sustainable.

Uses and fields of application

Once mixed, it is suitable for covering and decorating ceilings, walls and floors of commercial and residential spaces such as: Shops, offices, restaurants, lobbies, exhibition areas, homes, theme parks, garages, terraces, high-traffic commercial premises, warehouses. industrial, furniture, shelves, countertops, etc.

Given its high adhesion power on almost all types of surfaces such as concrete, tile, stoneware, terrazzo, wood, metal, etc. They make it the ideal decorative solution both in new construction and in rehabilitation, thus avoiding inconvenience and costs of demolishing previous materials without increasing levels.

Presentation

MICROLANIC ONE is presented with three different granulometries.

MICROLANIC ONE Thickness: Granulometry: ± 0.4 mm
MICROLANIC ONE Path (Medium): Granulometry: ± 0.3 mm
MICROLANIC ONE Fine: Granulometry: ± 0.08 mm

Packaged on a 120x80cm pallet, 33 units / 20 Kg Cubes
MICROLANIC ONE Thick: 20 kg and 10 kg cubes.
MICROLANIC ONE Path (Medium): 20 kg and 10 kg cubes.
MICROLANIC ONE Fine: 20 kg and 4 kg cubes.

Properties

- Great resistance to abrasion and impact.
- Impervious to the passage of water, grease and oils with its finishing lacquers.
- High mechanical resistance.
- Stable against ultraviolet rays.
- High adhesion to supports of any nature.
- Breathable
- Prevents the accumulation of bacteria and fungi.
- Greenbuilding Philosophy



Special precautions

Avoid contact with eyes and skin.

Use rubber gloves and protective glasses.

Keep out of the reach of children.

Do not apply the product at room temperatures below 5°C or above 30°C.

Consumption

The consumption per layer is approximately:

- ± 0.7 kg/m². MICROLANIC ONE Thick
- ± 0.7 kg/m². MICROLANIC ONE Path (Medium)
- ± 0.3 kg/m². MICROLANIC ONE Fine

Application Rules



How to use

Support preparation

The support must be healthy, firm, free of dust or dirt, grease, paint, and correct any existing cracks or chips.

POROUS SUPPORTS

Porous supports such as mortars, self-leveling plasters or absorbent plasterboard must be treated with our Agma CH sealant. This product acts as a regulator and absorption balancer prior to the application of Ecolanic microcement. Apply our Agma CH sealer in its pure state with a short-nap roller on porous vertical and horizontal surfaces and diluted 1/1 with tap water on very porous surfaces.



CERAMIC/NON-POROUS SUPPORTS

In the case of ceramic support, apply an Agma Grip primer to improve the application of the microcement. Subsequently apply Microlanic one Thick over the joints until they are completely filled.



READ THE TECHNICAL DATA SHEET OF ALL PRODUCTS FOR CORRECT USE
AT WWW.ECOLANIC.ES

Application Rules



How to use

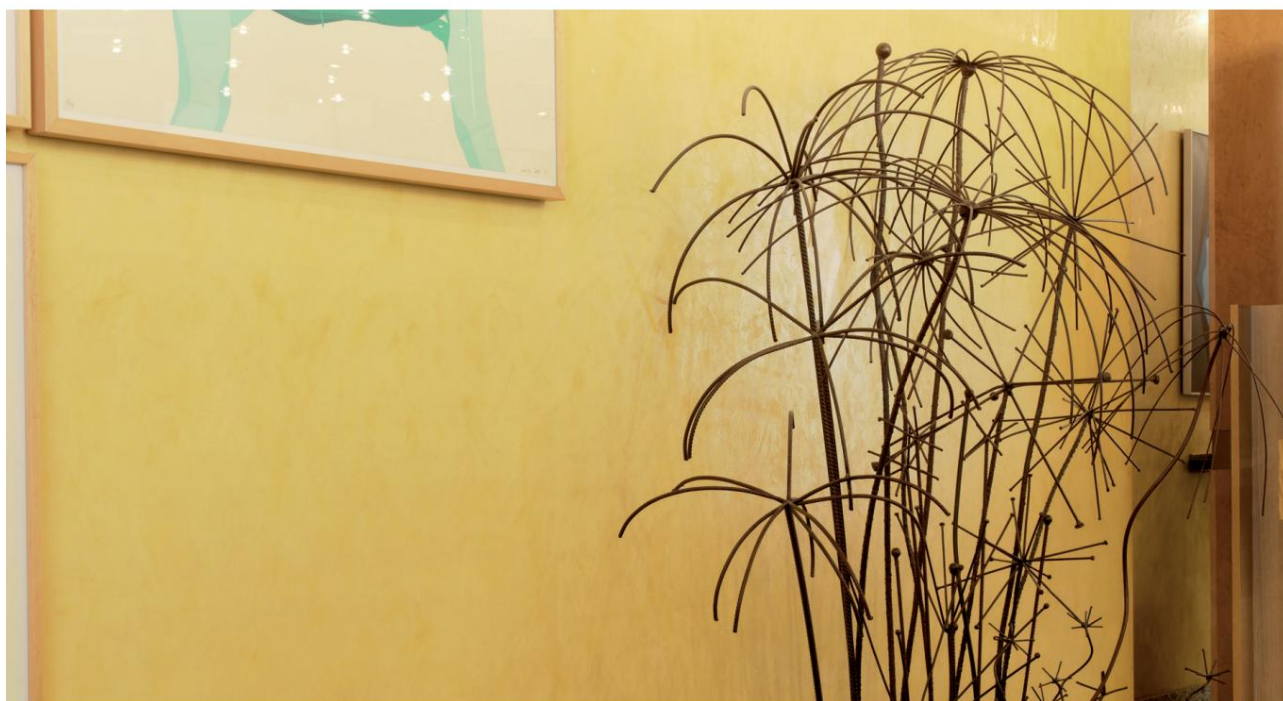
Application of MICROLANIC ONE

Once the support is prepared, we move on to the application of the MICROCEMENT.

1) MICROLANIC ONE THICK READY TO USE

Microcement Ready to Use. Open container, mix and homogenize the product with a low-speed mechanical stirrer (300 to 500 rpm) for at least 3 minutes, let it rest for about 2 minutes and stir again until you obtain a uniform mixture free of lumps.

Apply a first layer of THICK MICROLANIC ONE READY TO USE, after between 4 and 6 hours, depending on the environmental conditions, apply a second layer. Keep in mind that the second layer must have a perfect planimetry; to do this, you must lightly sand the surface to eliminate possible imperfections or slight unevenness and improve adhesion between layers. Use 100-180 gram sandpaper. Once sanded, vacuum, clean and thoroughly remove dust from the entire surface. Depending on the desired aesthetic, these two products can be used directly as a decorative finishing layer with a rustic or natural appearance.



Application Rules



How to use

Application of the MICROLANIC ONE

2) MICROLANIC ONE MEDIUM/FINE READY TO USE

Ready-to-Use decorative microcement with medium and fine finish. Open the container, mix and homogenize the product with a low-speed mechanical stirrer (300 to 500 rpm) for at least 3 minutes, let it rest for about 2 minutes and stir again until you obtain a uniform mixture free of lumps.

Gradually add the chosen color TONER onto the MICROLANIC ONE MEDIUM/FINE using

mechanical mixer until the color adheres homogeneously over the entire product. Apply a first layer and after between 4 and 6 hours, depending on the environmental conditions, apply a second layer, repeating the same operation.

Keep in mind that the layers must have a perfect planimetry before applying a new layer. To do this, you must lightly sand the surface to eliminate possible imperfections or slight unevenness and improve adhesion between layers. Use 200-240 gram sandpaper. Once sanded, vacuum, clean and thoroughly remove dust from the entire surface.



CHAPTER SUMMARY

2 coats MICROLANIC ONE THICK + sanding + vacuuming

2 coats of MICROLANIC ONE MEDIUM/FINE + sanding + vacuuming

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Application Rules



How to use

Finishing and Lacquer

It is very important to finish the system with PAVILAC DUR finishing lacquer. This provides the MICROLANIC system with greater protection, impermeability and hardness. It consists of a primer and a finishing lacquer.

1) Primer Dur + Pavilac Dur "S" SOLVENT

Dur Primer (Sealant). Apply it neat with a sprayer, going over it at the same time with our super flexible metal trowel or you can also apply it with a short-nap roller. Very important, do not skip this step before lacquering, in case of application on intense colors, dilute 1:1 with distilled water. You will notice that the application remains crystal clear and has a perfect finish. Distribute the material well, leaving the thinnest layer possible, avoiding accumulations of product.



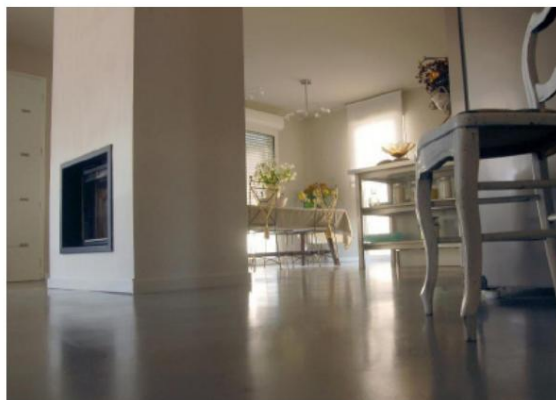
The system will be ready for the application of PAVILAC DUR SOLVENTE lacquer.

2) Pavilac Dur Agua "W" (water-based polyurethane lacquer)

You can choose either water-based lacquer or solvent-based lacquer. PAVILAC DUR AGUA does not need the prior application of PRIMER DUR.

Once the PRIMER DUR has dried (Only for PAVILAC DUR SOLVENT) at least 6 hours later, apply PAVILAC DUR WATER or SOLVENT by mixing "component A" + "component B" in whole or in part, maintaining the proportions. Apply it with a short-nap roller or airless spray gun (read technical sheet). A total application of two layers is necessary to guarantee the finishes and a third layer is recommended for high traffic places, humid areas (showers, spas, kitchens...), etc. The application between coats must have at least 6 hours of difference between them to obtain a good seal and curing of the product.

Once 24 hours have passed, the system is passable, although the recommended use is three days for normal traffic and 7 days for high traffic areas, wet areas (showers, spas, kitchens, etc.).



CHAPTER SUMMARY

1 coat Primer Dur / only with PAVILAC DUR "S" Solvent

2 or 3 coats of PAVILAC DUR "S" Solvent / PAVILAC DUR AGUA "W" (water-based polyurethane lacquer)

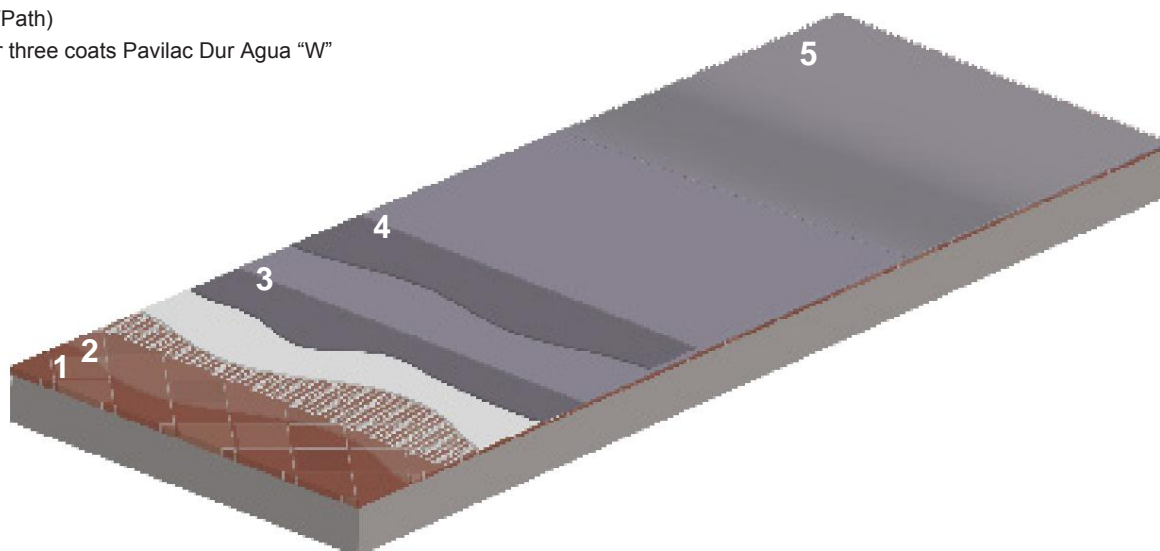
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Application Graphics



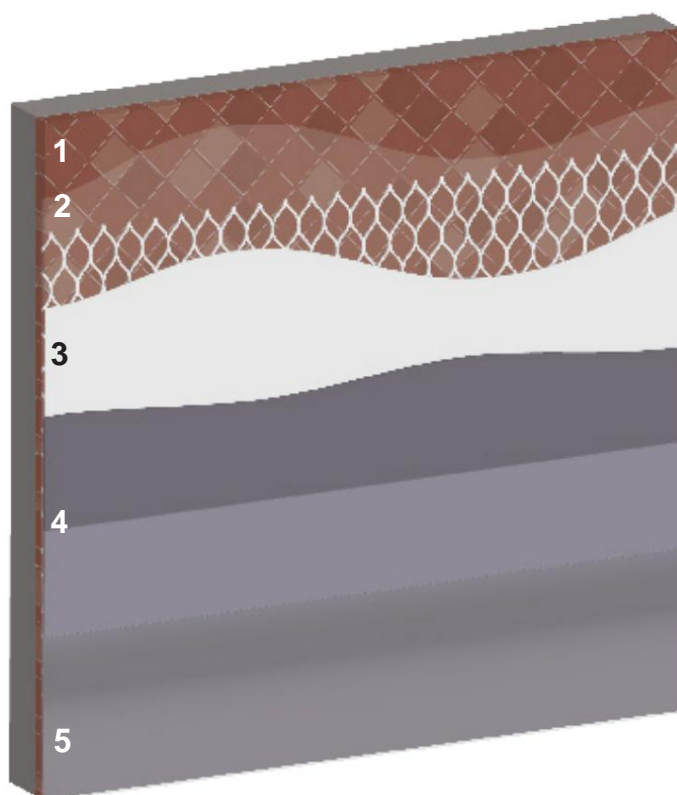
Above ground

1. Ceramic support / Porous support.
2. Agma Grip Sealant (Ceramic S.) / Agma CH (Porous S.).
3. Two coats of MICROLANIC ONE (thick)
4. Two coats of MICROLANIC ONE Ready to Use (Fine/Path)
5. Two or three coats Pavilac Dur Agua "W"



On Indoor Wall

1. Ceramic support / Porous support.
2. Agma Grip Sealant (S. Ceramic) / Agma CH (S. Porous).
3. Two layers of filling Microlanic One Ready to Use Coarse
4. Two coats of Microlanic One Ready to Use (Fino/Path)
5. **Optional:** Two coats of Pavilac Dur Agua "W"



Technical data and features



Technical data

Type: Ready-to-Use Microcement.

Appearance: White paste

Paste density: $\pm 1,300 \text{ kg/m}^3$

Solids content: 74.1%

Mixture use time: $\pm 60 \text{ min.}$

Granulometries:

MICROLANIC ONE Thickness: $\pm 400 \mu\text{m}$

MICROLANIC ONE Path: $\pm 300 \mu\text{m}$

MICROLANIC ONE Fine: $\pm 80 \mu\text{m}$

Colors:

Pigments of high quality and resistance in exteriors.

We have a catalog of 40 colors.

Unlimited **special colors** through

NCS/RAL letter

Final resistances

Adhesion resistance (UNE-EN 13892-8:2003):

$\geq 2 \text{ N/mm}^2$

Compression resistance (UNE-EN 13892-2:2003):

MICROLANIC ONE Thickness $\geq 65 \text{ N/mm}^2$

MICROLANIC ONE Path $\geq 55 \text{ N/mm}^2$

MICROLANIC ONE Fine $\geq 45 \text{ N/mm}^2$

Flexural resistance (UNE-EN 13892-2:2003):

MICROLANIC ONE Thickness $\geq 10 \text{ N/mm}^2$

MICROLANIC ONE Path $\geq 10 \text{ N/mm}^2$

MICROLANIC ONE Fine $\geq 10 \text{ N/mm}^2$

Determination of the transmission index of liquid water (UNE-EN 1062-3:2008) W2

According to UNE-EN 13813:2003 regulations



SAFETY AND HYGIENE INFORMATION

For any information regarding safety issues in the use, handling, storage and disposal of waste chemicals, users should consult the most recent version of the product Safety Data Sheet.

Empty containers must be disposed of in accordance with current legal regulations.

STORAGE CONDITIONS

The shelf life of the material is 12 months from the date of manufacture as long as it is stored in a dry place and protected from the elements.

NOTE: The instructions for use are made according to our tests and knowledge and do not imply a commitment. They do not free the consumer from examining and verifying the products for their correct use. The company's liability will be limited to the value of the merchandise used.

Descriptive memory



Descriptive memory

Application of Ready-to-Use microcement system MICROLANIC ONE from the Ecolanic brand, 4mm thick, compression $\geq 30\text{N/mm}^2$ including base layers and fine or medium aesthetic finish, color to be determined on sample book or NCS chart, on Vertical support/

Previously prepared horizontal, (minimum tensile strength of 1.5 N/mm^2 , with a maximum unevenness of less than 3mm and pre-established expansion joints. Completion of the system with 3 layers of water-based polyurethane lacquer Pavilac Dur Gold Agua brand ECOLANIC.

The Product must meet the following **technical characteristics**:

Compression Strength $\geq 40\text{ N/mm}^2$

Flexural Strength $\geq 10\text{N/mm}^2$

Determination of liquid water transmission index: W2