

## MYKAL

MyKal 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 MyKal XL or L followed by MyKal M and S finishes.



### 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 **MyKal**, it is necessary to prepare the surface according to the conditions of the substrate to be applied. Some applications require specific solutions: **MyMesh** flat and flexible fibreglass mesh, adhesion promoters such as **MyPrimer 200** or **MyPrimer 100**, vapour barriers or rising damp barriers **MyPoxy**. 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

**MyKal** is mixed with **MyResin** 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:

20 kg of **MyKal XL** – 6 L of **MyResin**  
 20 kg of **MyKal L** – 6,7 L of **MyResin**  
 20 kg of **MyKal M** – 7,5 L of **MyResin**  
 15 kg of **MyKal S** – 6,4 L of **MyResin**

#### Preparation of the mortar

The mortar should be prepared as follows:

1. Pour the **MyResin** 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:

**MyKal XL** – (Two coats): 2 kg/m<sup>2</sup>  
**MyKal L** – (Two coats): 1,4 kg/m<sup>2</sup>  
**MyKal M** – (Two coats): 1 kg/m<sup>2</sup>  
**MyKal S** – (Two coats): 0,5 kg/m<sup>2</sup>

## Technical data

### MyKal XL

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

### MyKal L

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

### MyKal M

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

### MyKal S

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



## Application

### Preparation coats

Depending on the type of substrate to be applied, apply one or two coats of **MyKal XL** or **L** with a metal trowel. On floors, apply, before the first coat, **MyMesh** 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 rotoorbital sander and 40-grit sandpaper, in order to eliminate imperfections.

### Finishing coats

The application can be finished with two coats of **MyKal XL, L, M**. Between coats, allow the previous one to dry for 4 hours and sand gently with a rotoorbital sander and 40-grit sandpaper to remove imperfections. The microcement **MyKal S** finish is for exclusive use on walls and non-trafficable surfaces.

#### *"Fresh on fresh"*

**MyKal** 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 **MyKal** 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 **MyKal** microcements. A total system thickness of 1 to 3 mm is recommended.

### Sealing

MyRevest® 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. MyRevest® microcements can be sealed with **MyCover** water-based primer and **MySealant2K** water-based varnish. We recommend scrupulously following the application advice in the technical data sheets.

The product should not be used for purposes other than those specified without first having instructions in writing. It is always the user's responsibility to take suitable measures in order to comply with the requirements established in local legislation. Product safety sheets are available for professionals. This technical data sheet will be valid until a new edition appears.

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## 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. Keep out of the reach of children.  
To prevent the product from drying out or thickening, close the lid after each use.

## Packaging

Available in 18 kg bucket: **MyKal XL, L and M**.  
Available in 15 kg bucket: **MyKal 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.



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