SPECIAL BASE

Meexe Special Base is the top range of two-component powder microcement preparation. It has been formulated to improve workability, thereby reducing the steel trowel burning effect and achieving smoothed finishes. Additionally, mechanical resistance has been increased, resulting in optimal performance. It comes in three particle sizes: **L**, **XL** y **XXL**, to adapt to all applications. Ideal for preparing the substrate before applying **Meexe Special Floor** finishing microcements.

Formulated with hydraulic binders, selected aggregates, and specific additives, **Meexe Special Base** (powder component A) must be mixed with **Meexe Resin** (liquid component B), respecting the proportions in this technical data sheet to ensure coating properties. Once mixed, it allows for the creation of a thin coating, ranging from 1 to 3 mm, with high mechanical resistance and strong adhesion to any type of substrate: concrete, cementitious mortars, ceramic, MDF, plaster, and drywall.

PROPERTIES

- Continuous seamless coating (always respect expansion joints).
- Applicable on almost any type of substrate: concrete, cement, ceramics, plaster, drywall, etc.
- Excellent workability.
- Wide range of colors and effects.
- Matte, satin, and glossy finishes.
- High adhesion to the substrate.

CONSUMPTION

The performance will depend on the substrate to be coated. In a standard application, the performance is as follows:
Meexe Special Base L (Two layers): 2,00 kg/m²
Meexe Special Base XL (Two layers): 2,80 kg/m²
Meexe Special Base XXL (Two layers): 3,40 kg/m²

INSTRUCTIONS FOR USE

Surface Preparation
Before applying **Meexe Special Base** microcement, it is necessary to prepare the surface according to the conditions of the application substrate. Certain applications require specific solutions: flat and flexible fiberglass mesh **Meexe Mesh**, adhesion promoters **Meexe Primer 200** or **Meexe Primer 100**, vapor barriers, or capillarity moisture barriers **Meexe Poxy**. In any case, follow the recommendations of our technicians. The application substrate must be clean and free of grease; the base should be consolidated and in good flatness condition.

Mixing
Meexe Special Base is mixed with **Meexe Resin** and with pigments according to the selected color. To ensure the coating's properties, it is essential to respect the ratio between the microcement and the resin:

10 kg de **Meexe Special Base L** – 3,0 liters of **Meexe Resin**
10 kg de **Meexe Special Base XL**– 2,7 liters of **Meexe Resin**
10 kg de **Meexe Special Base XXL**– 2,7 liters of **Meexe Resin**

Mortar Preparation
The mortar should be prepared as follows:

1. Pour a small amount of **Meexe Resin** into a container, add all the pigment corresponding to the amount of microcement you will be working with, and mix until you achieve a homogeneous colored liquid.
1. Gradually pour the microcement powder and the resin at the same time while mixing the product with a low-speed mechanical mixer.
1. Mix for at least 4 minutes until you obtain a homogeneous mixture free from lumps.

Consumption:
The better the leveling and preparation of the surface to be coated, the higher the performance, and the lower the material and application time costs. It is advisable to choose the appropriate method for each application.

APPLICATION

Preparation coats
Depending on the type of application substrate, apply one or two coats of **Meexe Special Base** using a metal trowel. On the floor, always cover with two coats and the very flexible fiberglass **Meexe Mesh**. Before applying a new coat, allow the previous one to dry and lightly sand it with a random orbital sander and 40-grit sandpaper to eliminate imperfections.

Finishing Coats
The application can be completed with a third coat of **Meexe Special Base** using the "fresh on fresh" technique. In flooring, it's possible to **Meexe Special Floor** in two coats. "Fresh on fresh" **Meexe Special Base** can be worked using the "fresh on fresh" technique, applying the third coat as soon as the second stops being "tacky" (when the freshly applied microcement no longer adheres to your fingers when touched). The second coat of **Meexe Special Base** applied with this technique should not be sanded. If there are burrs or bumps, these should be removed with a support spatula, trimming the excess material. Apply the third coat working on polystyrene boards with 40-grit sandpaper to eliminate imperfections (once it has changed color and is lighter). Do not apply layers thicker than 1 mm for**Meexe Special Base** and **Meexe Special Floor**. A total system thickness of 1 to 3 mm is recommended.

Sealing
Meexe microcements should be sealed once they have hardened, typically between 24 and 48 hours. Never seal the coating before it has reached a moisture level below 5%, measured with instruments designed for this purpose. **Meexe** microcements can be sealed using the Presealer pore filler primer and the **Meexe Sealant** water-based varnish. We strongly recommend following the application advice outlined in the technical data sheets meticulously.

TECHNICAL DATA

Type	Two-component Microcement
Appearance	White Powder
Maximum aggregate size	L: 0.3 mm / XL: 0.4 mm / XXL: 0.6 mm
Apparent Density	In powder form: 1175 ± 50 kg/m² In paste: 1480 ± 50 kg/m² Hardened: 1430 ± 50 kg/m² (28 days)
Compressive strength (EN 13892-2)	≥ 55 N/mm² (28 days)
Flexural strength (EN 13892-2)	≥10 N/mm² (28 days)
Adhesion strength (EN 13892-8)	≥ 1,5 N/mm² (28 days)
Reaction to fire (EN 13501-1)	B_{FL} s1

SPECIAL PRECAUTIONS

This product contains cement.

- Avoid contact with eyes and skin, as well as inhalation of dust.
- Use rubber gloves and protective goggles.
- Do not apply the product at temperatures below 10°C or above 30°C.

Low temperatures lengthen, and high temperatures significantly reduce the product's shelf life and drying time.
Empty containers should be disposed of in accordance with current legal regulations.
Keep out of reach of children.
To prevent the product from drying or thickening, close the lid after each use.
Keep out of reach of children.

FIELD OF APPLICATION

Mortar for coating vertical walls and horizontal non-trafficable surfaces in interior or exterior, dry or damp, commercial and residential interior or exterior commercial and residential spaces, dry or damp.

POT-LIFE PRODUCT

The pot-life is 1 hour at approx. 20°C. We recommend mixing according to the experience of the applicator.

CLEANING OF TOOLS

Tools should be washed with water immediately after use. Once the material has hardened, it can only be removed mechanically.

PACKAGING

It is available in 20 kg.

STORAGE CONDITIONS

The product should be stored in its original closed and weatherproof packaging 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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