

1 Surface Preparation

Surface must be clean, structurally sound and even. If the surface has joints or is made of materials with different absorbency rate, fill in the grout lines with **Microbase**, let it dry for 24 h and sand them. Then apply one coat of **Primacem**

PLUS with a paint roller together with the mesh **Builtex**, let it dry for 30 min at least and apply the first coat of **Microbase**. Let the surface dry for 24 h and apply another coat of **Primacem PLUS** before applying the second **Microbase** coat.

Primacem ABS

For absorbent surfaces

Primacem PLUS

For non-absorbent surfaces

Acricem

For absorbent surfaces where higher grade of consolidation is required

The mesh **Builtex** must be always used on floors. The mesh can be applied together with **Primacem PLUS**, and in case of priming with **Primacem ABS** or

Acricem, Builtex will be applied together with first coat of **Microbase**. Let it dry for 30 minutes before applying microcement.

2 Mix and application

Mixing with Acricem resin

- **Pour Acricem resin** in a clean container.
- **Shake the pigment** well before use.
- **Rinse** the bottle of pigment with the mixing water and pour it in the container.
- **Stir the mix** until a homogeneous colour is obtained.
- **Pour the microcement gradually** while mixing it until a homogeneous mortar is achieved. For a minimum of 4 minutes, to ensure their properties and increase the lifetime of the mixture.

Application

- **Protect the areas** that will not be coated with painter's tape.
- **Apply the first layer of microcement** with a trowel and a plaster spatula.
- When the colour of microcement tones down, **smooth out irregularities** with a sander and then Hoover the surface.
- **Apply** the next coat.
- **Change the painter's tape** after applying the first two coats of Microbase.

Microcement must be applied between 10 °C and 30 °C.
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Systems

Microcement for Preparation

Microbase is applied with a steel trowel in two layers of 1 mm each. Let it dry for 3 h between layers. Smooth out the rough areas with a 40 grit sandpaper. Let the last layer of Microbase dry for 24h before applying finish microcement.

Microcement for Finishing

Microfino is applied on walls with a rubber or a steel trowel in two layers, and Microdeck is applied on floors and walls in only one coat. Smooth out Microfino layers with a 120 or 220 grit sandpaper and Microdeck with an 80 grit sandpaper. Let it dry for 24 h before sealing.

Microcement for Outdoors

Microstone is applied in two layers with a steel trowel over a coat of Microbase. Let it dry for 3 h between layers. Smooth out irregularities of each layer with a 40 grit sandpaper.

3 Sealing

Microcement must be sealed with a **polyurethane**, either water-based or solvent-based. When using Topsealer WT, first apply two coats of Prepol with a short pile roller. Let the first coat of Prepol dry for 4h and the last one for 24h. Do not use Topsealer DSV together with Prepol. Sealants are available in **matte, gloss and satin finish**. Topsealer WT is applied in 2 coats with a short pile paint roller,

or in "ONE COAT" with an airless gun. Let the first layer dry for 24h and smooth it out with a 400 grit sandpaper. Sanding is not required on the last coat. Let the last coat dry at least for 7 days before walking on it. Polyurethanes get their complete chemical resistances two weeks after their application, so do not use detergents nor cover the surface during these first 14 days.

Mixing and coverage

Primacem ABS

Coverage: 0,10 l/m²

Primacem PLUS

Coverage: 0,09 l/m²

Acricem

Coverage: 0,10 l/m²

Microbase

Coverage:

2 manos — 2,00 kg/m²

Mixing:

10 kg — 3,00 l resin

Microfino

Coverage:

2 manos — 0,50 kg/m²

Mixing:

10 kg — 4,50 l resin

Microdeck

Coverage:

1 mano — 0,50 kg/m²

Mixing:

10 kg — 3,00 l resin

Microstone

Coverage:

2 manos — 2,00 kg/m²

Mixing:

10 kg — 2,70 l resin

Prepol

Coverage: 1 coat — 0,06 l/m²

Topsealer WT

Coverage: 2 coats — 0,15 l/m²

Mixing: 5 l (A) — 1 l (B)