

Microcement Information

1 Product Description

Our Microcement Polished Concrete Kit contains liquids required to prime the substrate and the powders required for the microcement allowing you to produce your own polished concrete floor, walls and even furniture.

Microcement is sometimes known as microconcrete, microtop, and beton ciré amongst other names. It is a trowel-applied finish for walls, floors, worktops and furniture.

The kit comes in two options for covering 5sqm or 10sqm, and comes in a choice of either a white or grey base.

It can be applied to variety of different substrates as long as they are sound.

It is:

- ✓ Easy to apply
- ✓ Easy to repair if damaged
- ✓ Compatible with Ecobeton GiGi Concrete Sealer (supplied separately)

2 Equipment Required

Equipment For Mixing

- Electric paddle mixer (optional and preferable)
- Containers for mixing
- Bucket trowel (optional) for scraping the mix in the bucket

Equipment For Application of Microcement

- High density foam rollers
- Foam roller & frame
- Small paint tray
- Plastering Trowels
- Orbital Sander with 80, 120 and 180 grits

3 Whats Included (10sqm Kit)

- Big tub containing backcoat powder & 5L bottle resin
- Small tub containing face coat powder & 2L bottle resin
- Primer (2L bottle)

4 Application of Primer

- a. ENSURE THE SUBSTRATE IS SOUND, DRY & CLEAN WITH NO GREASE. ANY JOINTS IN MATERIALS SHOULD BE STRUCTURALLY SOUND.
- b. Mix primer with 3 parts water
- c. Apply one layer of the primer with a paint roller to areas to be microcemented.
- d. Let dry for 30 minutes before application of the microcement backcoat.

5 Back Coat Application

- a. Mix the resin with 1 part water.
- b. In a clean bucket add the resin gradually to the microcement, whilst mixing for 3-5 minutes until reaching a smooth creamy consistency. Hold back some of the resin if necessary. Make sure the corners of the bucket are scraped so that any dry material is mixed.
- c. Spread the material with a trowel on the surface with pressure. The aim is to have a thin layer a single grain of silica quartz in thickness.
- d. Let dry for 3-5 hours.
- e. Sand with the orbital sander and 80 grit pads, taking off any high spots and trowel lines.

6 Face Coat Application

- a. Mix the resin with 1 part water
- b. Mix the facecoat in the same way as the back coat.
- c. Spread the facecoat again with a trowel on the surface with pressure. The aim is to fill in the gaps in the backcoat to achieve a smooth continuous finish.
- d. Let it dry for 3-5 hours.
- e. Sand with the orbital sander using firstly the 120 grit and then 180 grit pads to get a smooth polished finish.

7 Apply Sealer (we recommend Ecobeton GiGi Sealer supplied separately on our website)

Tips

Substrates

Wood - joints should be scrimed with plasterboard scrim. Make sure joints are fixed and there is no flex or give.

Concrete - ensure large voids are filled.

Floors

To make the backcoat and facecoat mix easier to apply to floors add extra resin to make it more flowable.

Vertical Surfaces

A stiffer mix is preferable. Mix a small amount of material in advance and do a test application.