



Apply microcement to your wall :

- In combination with our Basic leveling mortar on a stable, flat surface such as GIBO, aerated concrete, concrete, WEDI, cement-bound substrate, waterproof plywood and tiles. The Basic leveling mortar is supplied with the microcement – wall package as standard.
- Only in combination with our Premium leveling mortar on a stable, flat surface of (green) plaster. For the processing of the Premium leveling mortar – see step **2A**. Please note: do you need Premium leveling mortar for your microcement wall? Then you must order it separately from your microcement – wall package when placing an order. This can be done via our webshop » leveling mortars (not yet in English).



What's in my Microcement - Wall Package :

- Microcement primer *
- Base leveling mortar – powder (approx. 12.5 kg. per 5 m²)
- Mesh / fiber cloth on roll (length = 5 meters per 5 m²)
- Premium leveling mortar – if required (see information at the top of the page)
- Microcement paste for the 2 finish layers
- Bottle of pigment – dye *
- Presealer *
- PU coating – component A and component B *

(*) Shake all liquids well before use!

Please note: check the package for correct quantities, the thickness of the material and the completeness of all components. Is something wrong? Contact us!



What do I need:

- Digital kitchen scale
- Construction bucket
- Clear water (approx. 3 litres per 5 m²)
- Microfiber roller for microcement primer
- Mortar mixer suitable for a battery drill
- Sandpaper for sander (grain 80, 180)

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- Flexible chip / spack knife
- Microfiber roller for presealer
- Microfiber roller for PU coating
- Possibly corner tensions

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How do I apply it:

STEP 1 – PREPARATION



Make sure that the surface is dry, dust- and fat-free.

STEP 2 – APPLYING THE MICROCEMENT PRIMER



Use a microfiber roller to apply the microcement primer. On extremely absorbing surfaces, apply the primer twice.



Drying time per layer: approx. 3 hours

STEP 2A – APPLYING THE PREMIUM LEVELING MORTAR – if NECESSARY

After applying the microcement primer, apply the Premium leveling mortar if necessary. Check on the first page whether or not premium leveling mortar is required for your surface. You can download the relevant manual for processing on our website www.betoncirenederland.nl/kennisbank/handleidingen

If you do not need a Premium leveling mortar, you can proceed directly to STEP 3

STEP 3: MIXING THE BASE LEVELING MORTAR



Consumption Basic leveling mortar – weigh the following quantities accurately on the scale:

- Mixing ratio powder : clear water = 25 kg : 6 liters of clear water.
Mix with a mortar mixer to create a spreadable paste.

Apply a thin layer of approx. with a (flexible) chip. One mm. thickness in orbits about 1 meter wide. This is equal to the width of the mesh. Gently press the mesh into the lubricated layer and then smooth it with the chip.

Spread another layer of the mortar over it in a thickness of 2 to 3 mm. (total thickness of the leveling mortar is now approx. 3-4 mm.) You can work wet-in-wet, that is, there is no need to wait between the layers for the mortar to dry, but you can proceed directly with the second layer of pasta! →

Finish the whole with a chip as smoothly as possible.



Drying time: approx. 12 hours

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STEP 4: FINISHING THE BASE LEVELING MORTAR

Any unevenness can be sanded mechanically. Use grain 80 and preferably in a light (non-red) color. After (possibly) smoothing the Base leveling mortar, you can start applying the first microcement finish layer.

STEP 5: MIXING THE MICROCEMENT FOR LUBRICATING THE FIRST FINISH LAYER

Use first layer of microcement – weigh the following quantities accurately on the scale:

- 0.25 kg microcement finish paste per m² lubrication surface (example: 5 m² = 0.25 x 5 = 1.25 kg microcement paste)
- Pigment (dye) – the attached bottle of pigment is mixed in its entirety by the bucket of microcement finish paste. You can use this to lubricate the two finish layers.

Note: is the product a bit dry/chewy? Then add up to 5% water to make a smooth, spreadable paste.

In a very thin (scraping) layer, lubricate the microcement as flat as possible. Once set up and flattened, you will no longer be able to get to work, as there is a good chance that you will disturb the microcement in the drying process.



Drying time: approx. 5 hours

STEP 6: FINISHING FIRST LAYER OF MICROCEMENT

When the first layer of microcement is dry, it can be sanded by hand or machine (grain 180). Note: do not scrape endlessly due to m. translucent of the underlay

STEP 7: MIXING THE MICROCEMENT FOR LUBRICATING THE SECOND FINISH LAYER

Consumption second layer of microcement – weigh the following quantities accurately on the scale:

- 0.25 kg microcement finish paste per m² lubrication surface (example: 5 m² = 0.25 x 5 = 1.25 kg microcement paste)
- Pigment (dye) – see step 5: mixing the microcement for lubricating the first layer.

Note: is the product a bit dry/stiff? Then add up to 5% water to make a smooth, spreadable paste.

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In a very thin (scraping) layer, lubricate the microcement as flat as possible. Once set up and flattened, you will no longer be able to get to work, as there is a good chance that you will disturb the microcement in the drying process.



Drying time: approx. 5 hours

STEP 8: FINISHING SECOND LAYER OF MICROCEMENT



When the second layer of microcement is dry, it can be sanded by hand or machine (grain 180). Note: do not pierce endlessly due to the translucency of the underlay.

STEP 11: APPLYING THE PRESEALER



Before applying the PU coating, treat the lubricated layers of microcement with the PU pre-sealer. The PU pre-sealer can be applied with a microfiber roller.



Drying time: approx. 3 hours

STEP 12: APPLYING THE PU COATING – LAYER 1



Mix half of the PU coating component 'A' with component 'B' (ratio A:B = 10:1). Do not mix the whole thing at once, because the product hardens. You need to create little bits, no more than you can process in an hour.



Drying time: approx. 2 hours

STEP 13: APPLYING THE PU COATING – LAYER 2



You can apply a second layer of PU coating in places where a lot of water can come. To do this, you need to sand the previous layer very lightly for a good adhesion of the coating. We always recommend that you always apply a second layer of PU coating to your worktop, floor and shower.



Drying time: approx. 8 hours

TIPS & Points of Interest :



- **TIP #1:** If you finish 2 adjacent walls with microcement, make sure they remain separate from each other. You can do this by cutting the seam with the tip of your chip after each microcement layer. This allows both walls to work separately from each other. After applying the PU coating, you can seal the seam with an acid-free silicone sealant.
- **TIP #2:** Do you apply microcement in your bathroom? Then you always apply kimband for a waterproof corner connection wall-wall or wall-floor. The kimband can be smeared in your leveling mortar layer. Please note: when cutting your corners, make sure you do not cut the kimband! Otherwise, the waterproof property may be lost.
- **TIP #3:** Always finish your microcement wall from top to bottom. This prevents you from spilling microcement on your neatly lubricated wall.
- For the shelf life of our products the following applies:
 - microcement powders – shelf life up to 12 months after the date of purchase
 - ready-made mortars – shelf life up to 6 months after the date of purchase-
 - all liquids – shelf life up to 6 months after the date of purchase
- Curing time after drying: 4 days. Then gently loadable. Kitten with kit primer for internal corners. The PU coating is completely cured after 21 days. Then fully taxable.
- Water on microcement: it is important to always dry the microcement with a dry cloth on horizontal surfaces where water remains. Avoid stagnant water.
- Cleaning: you can clean the microcement with all-purpose cleaner. Prevent the use of products such as Antikal.
- For more useful tips and FREQUENTLY ASKED QUESTIONS (FAQ), please visit our website www.betoncire nederland.nl

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