

# MICROCEMENT COARSE COAT APPLICATION GUIDE

**CONCRETE LAB.**  
*polished concrete materials*

For wet rooms, floors subject to movement and worktops, the substrate and its preparation is very important.

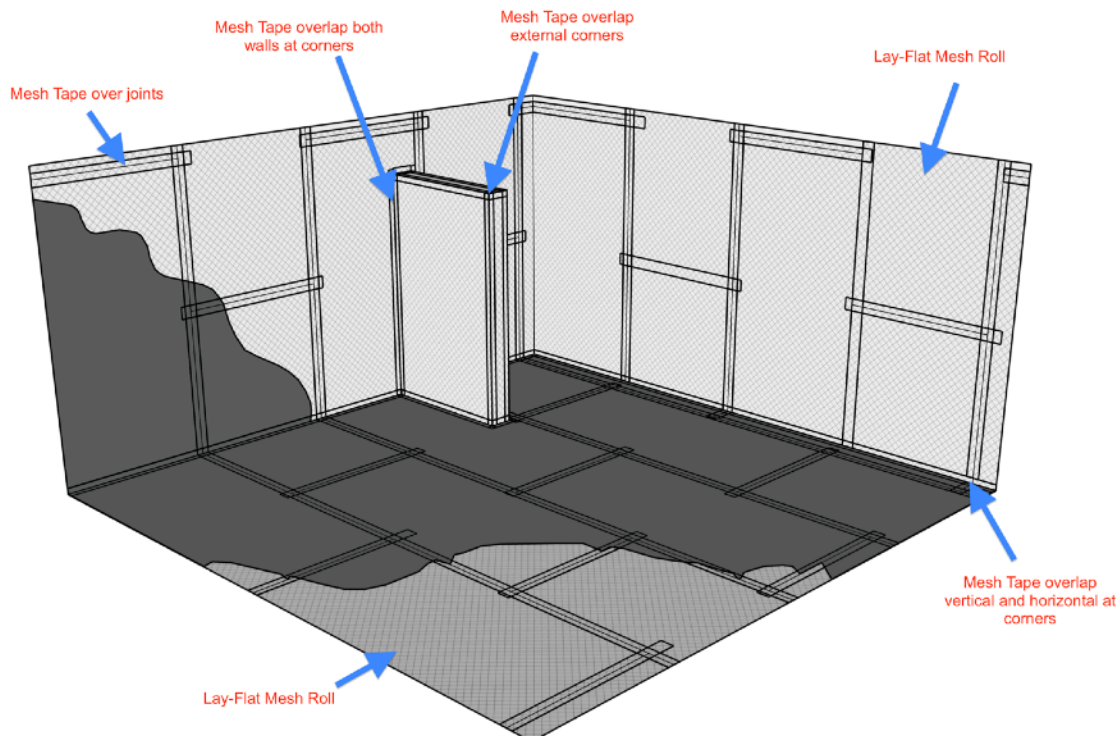
For wet-room application specifically we recommend that a proprietary wet room Wedi (<https://www.wedi.de/uk/>).

Once a Wedi system has been installed, we recommend that 3 coats of microcement are applied as follows.

## Coat 1 - Microcement Coarse Coat & Mesh

The first coat is a Microcement Coarse Coat and into this Fibreglass Mesh is embedded. Both of which can be purchased from our website.

## 2. Mesh Preparation Instructions



The mesh roll and mesh tape are an integral part of the system.

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The mesh roll is self-adhesive and should be applied to all joints between the boards.

The mesh roll comes on a 1 metre wide roll and each strip should overlap the next by a minimum of 100mm. This is both on the walls and floors and where the wall and floor meet the mesh should be run up the corner by again a minimum of 100mm.

The roll should be pre-cut and laid out on horizontal surfaces. For vertical surfaces should be pre-cut also and temporarily affixed in place with good quality tape.

Once the coarse coat microcement application begins it can be used to spot bond the mesh in place.

## 3. Primer Mixing & Application Instructions

- a. Mix 3 parts clean water to 1 part neat resin.  
TIP - Mark a line on the bottle where the neat resin sits. Use this line to mark out where to fill the bottle to, when adding the extra water.
- b. Apply one layer of the primer with a paint roller to areas to be microcemented.  
Let dry for at least 30 minutes.

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## 4. Coarse Coat Microcement Mixing & Application Instructions

### IMPORTANT

**POT LIFE - Approx 20 minutes depending on ambient conditions**

**For either the 5 or 10 square metre kits, do not mix all of the powder up in one go. Mix up the microcement and liquid in batches.**

- a. Mix neat resin with 2 part clean water.  
TIP - Mark a line on the bottle where the neat resin sits. Use this line to mark out where to fill the bottle to, when adding the extra water.
- b. In a clean bucket add a batch of the microcement powder. DO NOT add the powder to the liquid, always add the liquid to the powder.
- c. Pour in the diluted resin gradually whilst mixing with the electric paddle mixer. Continue to add the liquid and mix until the microcement reaches a smooth creamy consistency, similar to yoghurt.  
Make sure the corners of the bucket are scraped so that any dry material is mixed and there are no lumps.
- d. Let it rest for 10 minutes as there will be a false set.
- e. After 10 minutes remix the microcement adding a small amount of extra liquid if required to reach the smooth yoghurt-like consistency once more.

### TIPS

- the consistency of the microcement should be like yoghurt
- on hot days the mix will set more quickly and this is when the plasticiser may be required)

### ***Application***

- a. Spread the microcement with a spatula or trowel on the surface with even pressure. We recommend a microcement spatula.  
The coat should be just enough to cover the mesh.  
**IMPORTANT** - If the microcement is applied any thicker, the coverage of the pack will be reduced - you may not have enough to complete the job.  
Once completed the first coat should be left to dry for 24 hours.

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- b. After 24 hours the microcement should be lightly sanded with a 80 to 120 grit orbital sanding pad to achieve an even smooth surface.

## **Coats 2 and 3 (Standard Microcement Kit)**

Our standard Microcement Kits will then form Coats 2 and 3 which can be applied as per the standard instructions.

Both these coats have a far smoother consistency and finish.

Again 24 hours should be left after the application of Coat 2. It should then be sanded and then Coat 3 can be applied. The wall/floor can then be sanded 24 hours after application of Coat 3.

Finally, the Ecobeton GiGi Sealer can be applied as per Concrete Lab instructions.