



Microcement Instructions

Wall Preparation & Application

Version: 0425-1

Description

This document details how to prepare a plastered wall ready to have microcement applied.

In these instructions we assume that the wall is a stud plasterboard wall and that it is finished with an appropriate plaster as per industry standard.

A solid plastered clockwork/masonry wall can be treated in the same manner.

It is important that prior to any microcement application that any freshly applied plaster has had sufficient time to dry and that it is clean and free from grease, marks etc.

Plaster generally takes between 3 to 5 days to dry, but can take up to 4 weeks or longer depending on various factors like thickness, humidity, and ventilation. It's advisable to allow at least two weeks for plaster to fully dry before

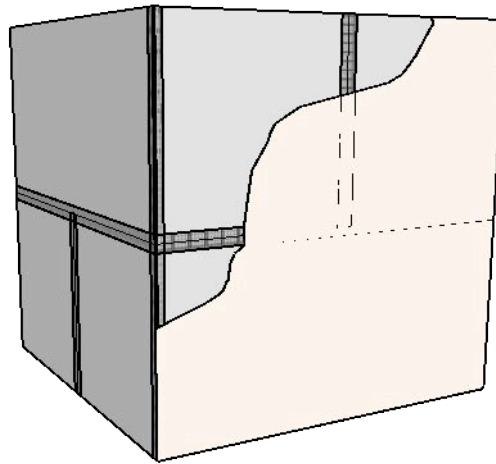
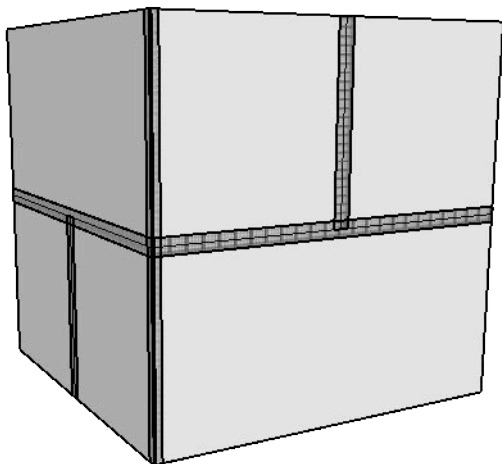
The benefit of applying microcement to a plastered surface is that it will be smooth and flat.

Any defects or cracks should be dealt with prior to microcement application as there is a risk these will show through to the finished microcement surface.

If a wall is in poor condition (cracks, defects etc.) or is tiled then our 3-Coat Microcement should be applied with a layer of fibreglass mesh embedded into the first coat.

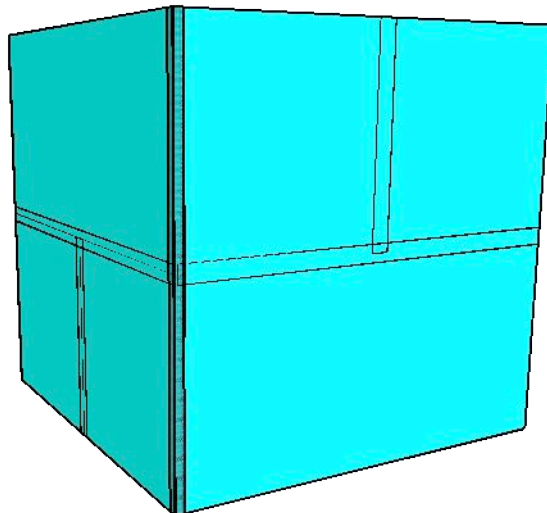
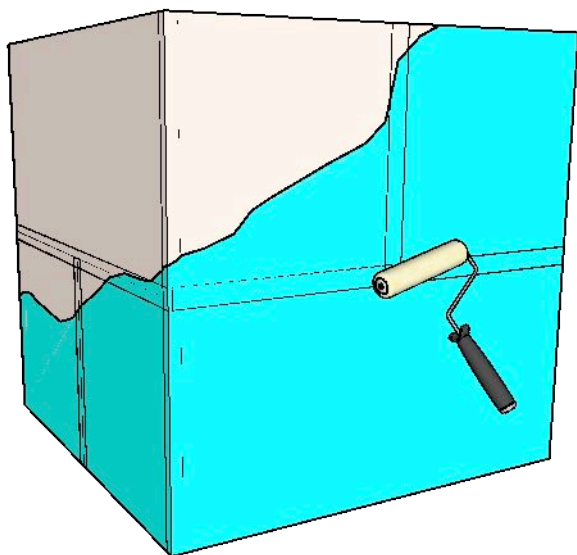
Please refer to our Wall Tile Kits for this - <https://concretelab.co.uk/collections/microcement-kits-for-wall-tiles>

Refer to the Appendix for extra guidance on each step.



1. Wall Preparation

The wall should be smooth and clean and dry having had 4 weeks to dry out if the plaster has been freshly applied.



2. Primer Application

Dilute the primer according to the instructions and apply with a roller. Allow the primer to dry.

Use the QR Code for the Primer Instructions.

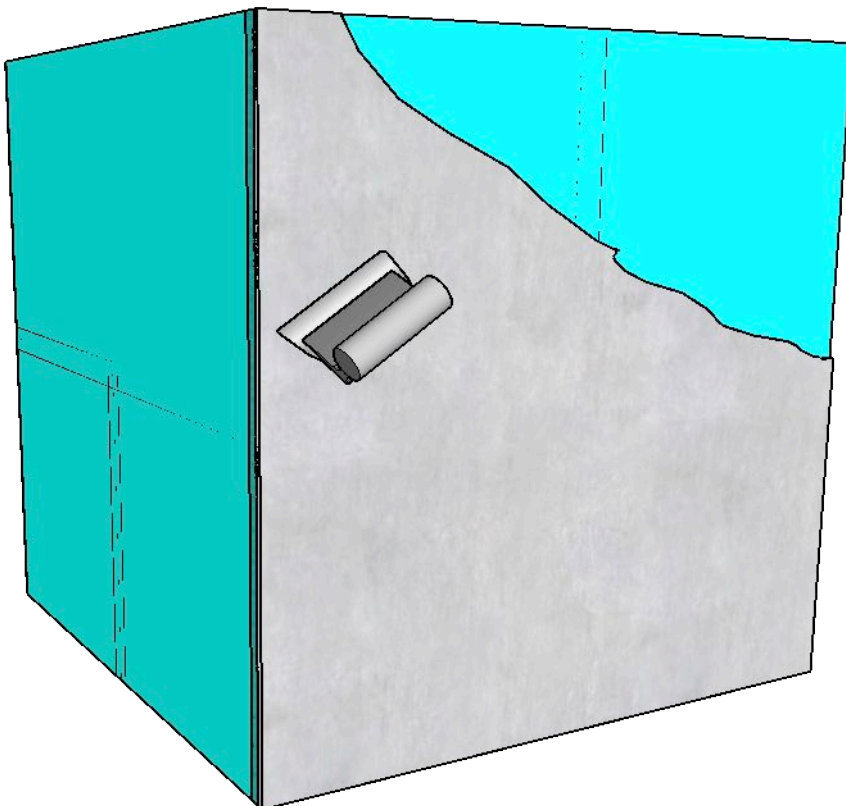
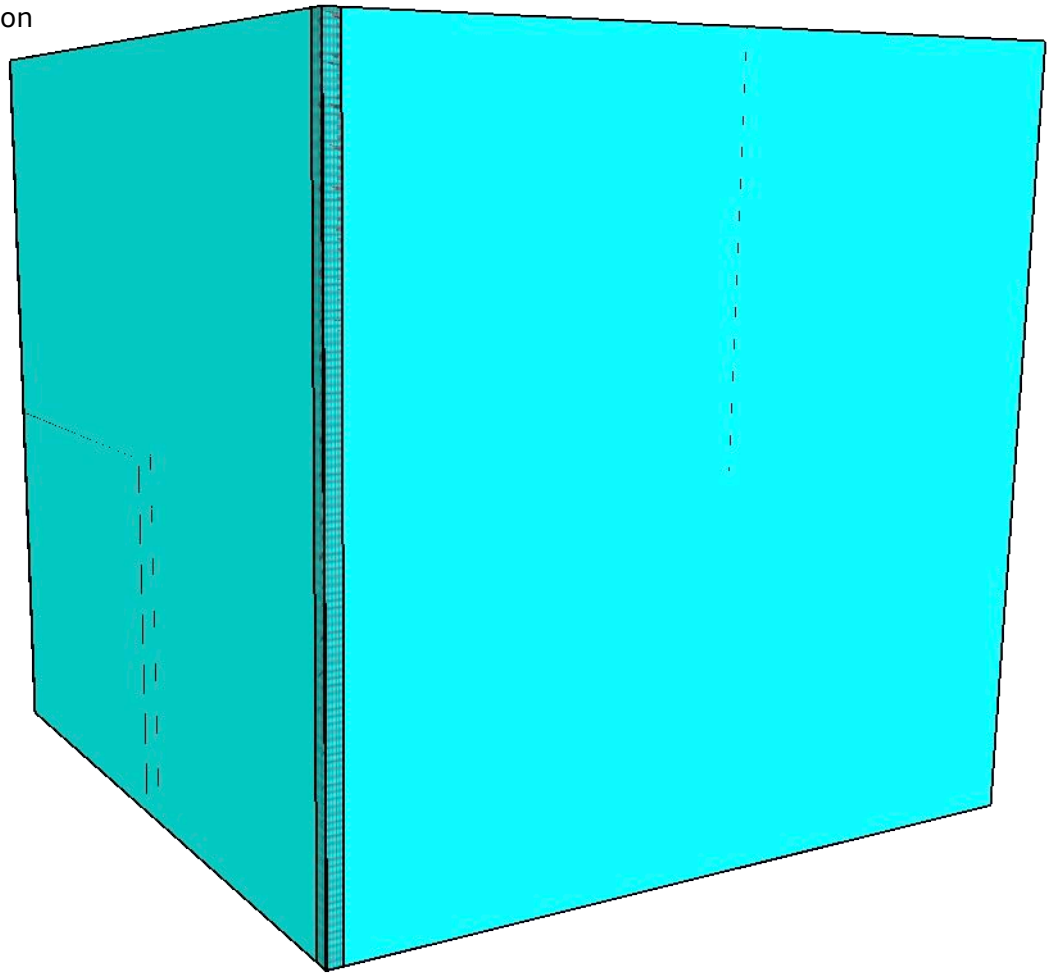
Do not discard the primer. You will use it again during the application process.



CONCRETE LAB
polished concrete materials

3. Apply Mesh Tape to Edges

Apply the fibreglass mesh tape to any edges to ensure a good bond, to prevent cracking where two opposite surfaces meet and ensure a robust corner.



4. Application Of The 1st Coat

Mix up the 1st coat of microcement according to the instructions. See Appendix.

Apply the 1st coat of microcement to the first surface.

Tips - "thin to win". To ensure good coverage, to make it easier to sand flat and eliminate the risk of cracking apply the coat as thinly as possible.

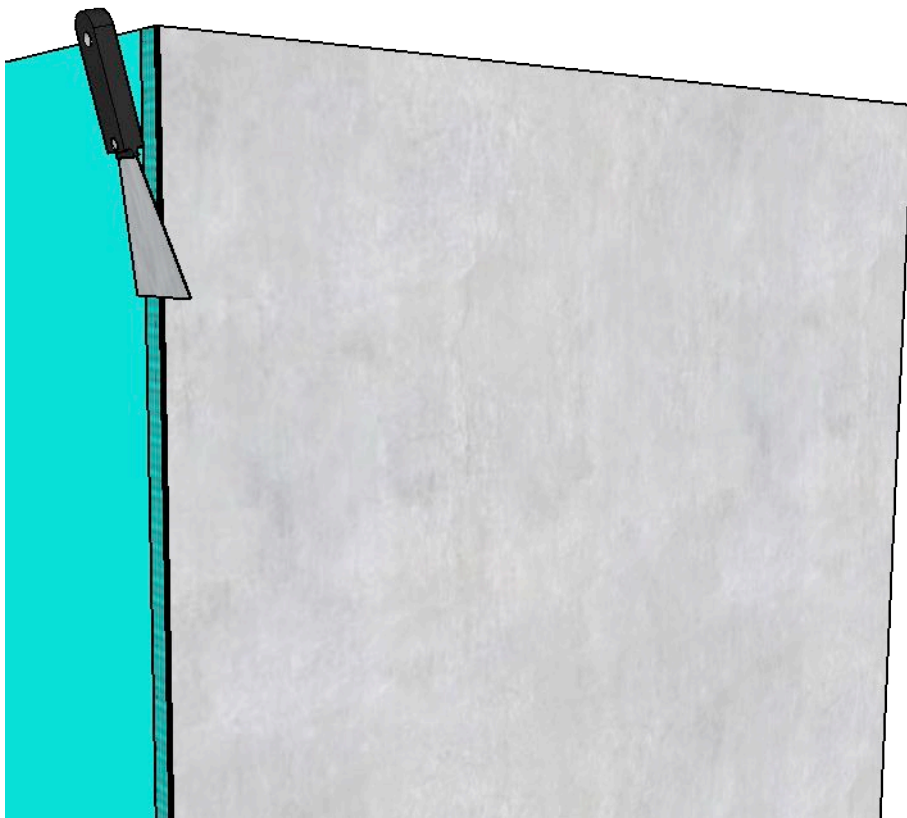
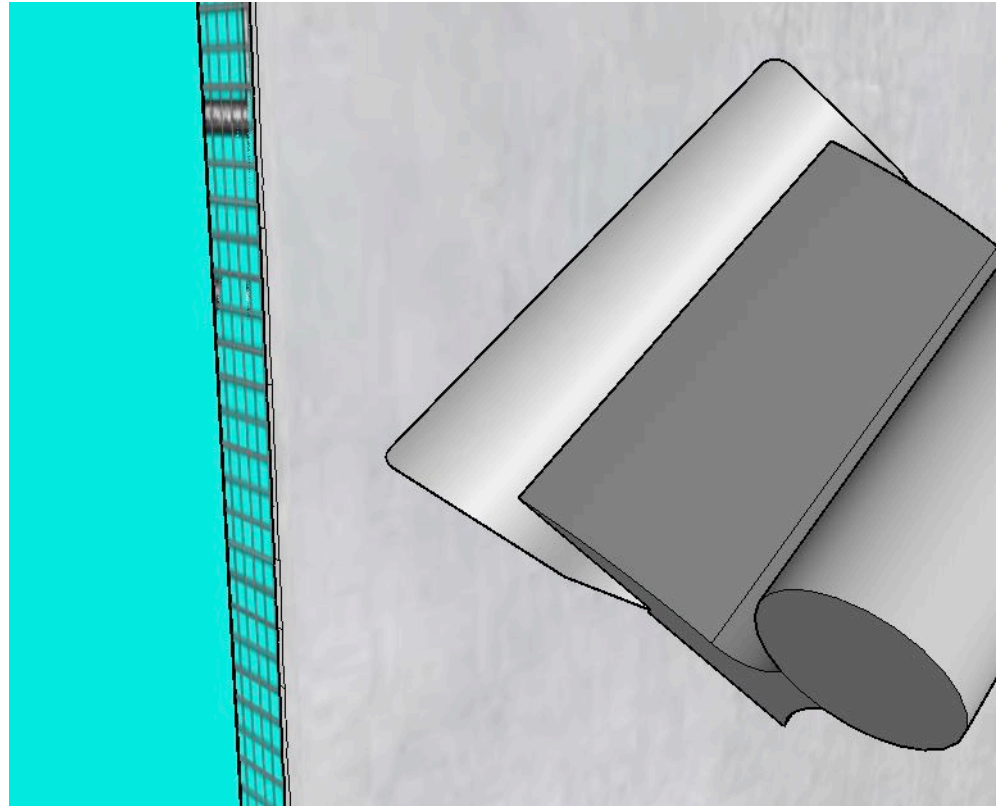
Use our microcement spatula which has a flexible blade to make the job easier.

Clean your tools intermittently throughout the process.



5. Corner Edges

Apply the microcement up the edge. If the microcement "squidges" over the edge that is normal.



6. Remove the excess on the edge

Using a scraper or similar gently remove the now firmer microcement to provide a clean edge to allow for a neater edge when applying the microcement on the opposite surface.



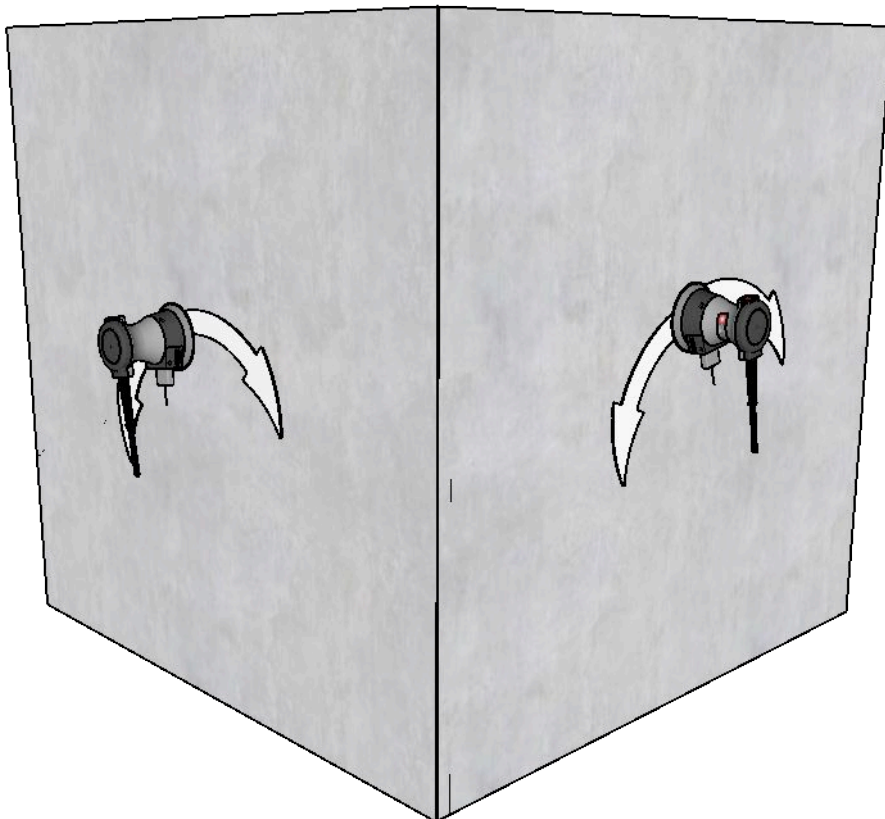
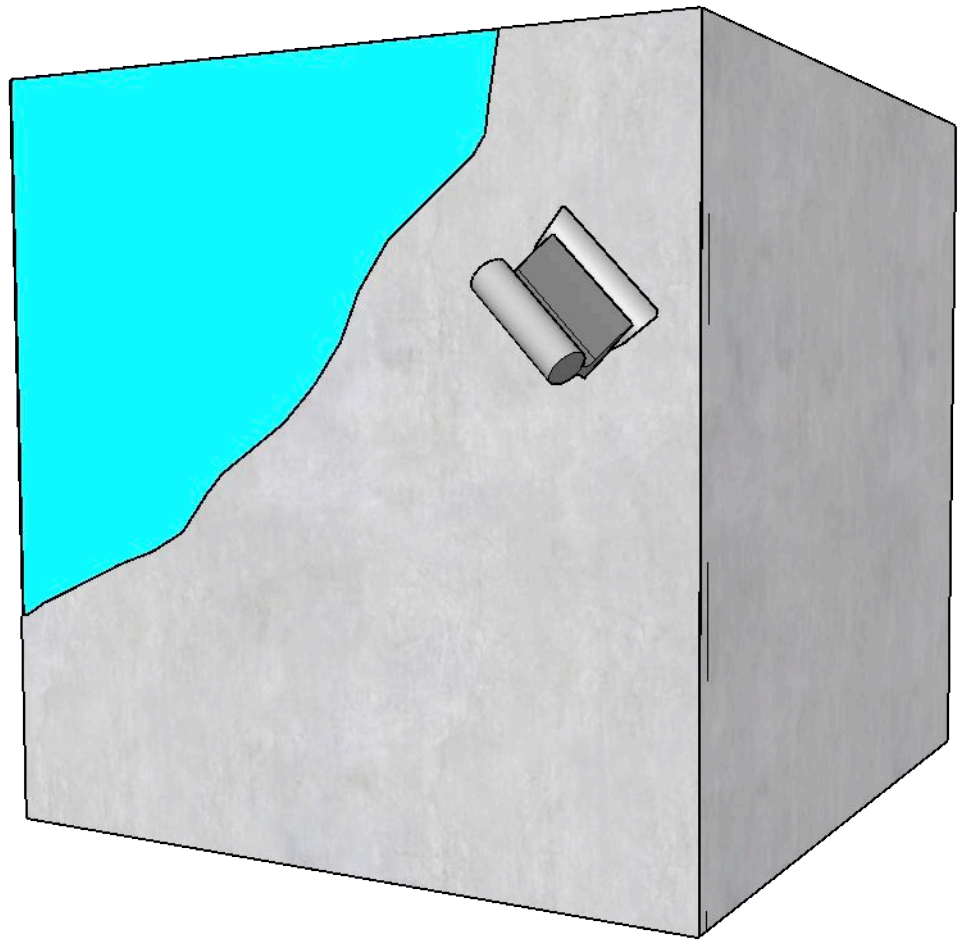
7. Next Surface Application

Apply the microcement to the next surface, taking care not to disturb the edge of the previous surface.

Again it is advised that as thin a layer is applied as possible.

This will ensure good coverage, it will make it easier to sand flat and will reduce the likelihood of cracking.

Allow the Microcement to dry fully. This can take between 6-18 hours depending on ambient conditions internally. This may take longer externally.



8. Sand the First Coat

Using an orbital sander with dust extraction, begin sanding the microcement.

Use grits 80, 120 and 180.

Test a discrete area to make sure the microcement is hard enough to sand.

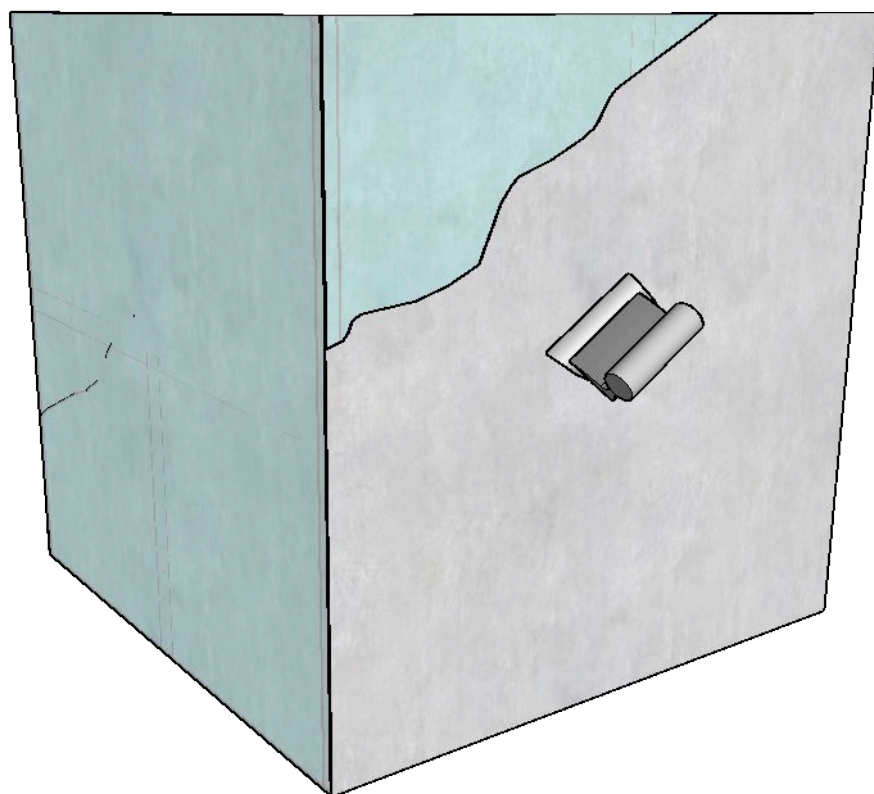
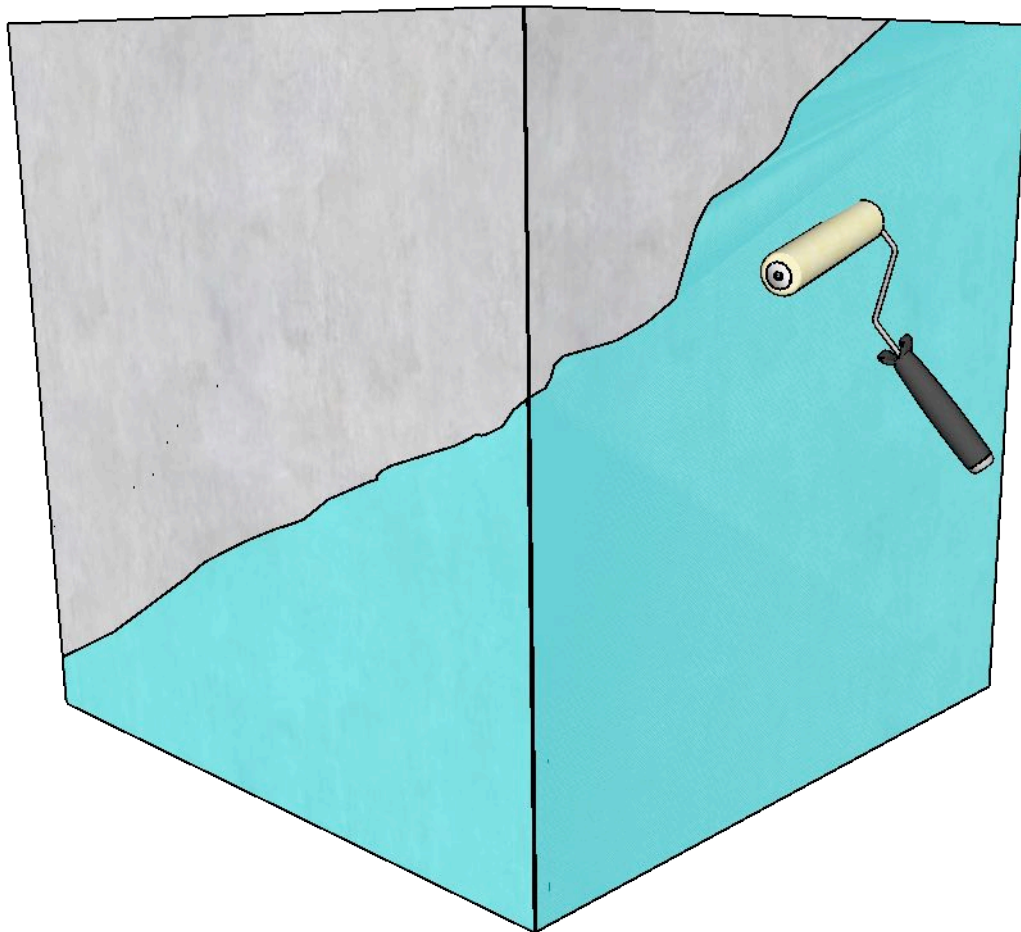
Start with the 80 grit and work your way up through the grits to 180.



9. Apply The Primer Again

Thoroughly vacuum the surface to remove any excess dust.

Using the primer from step 2, reprime the surface of the microcement and allow to dry.



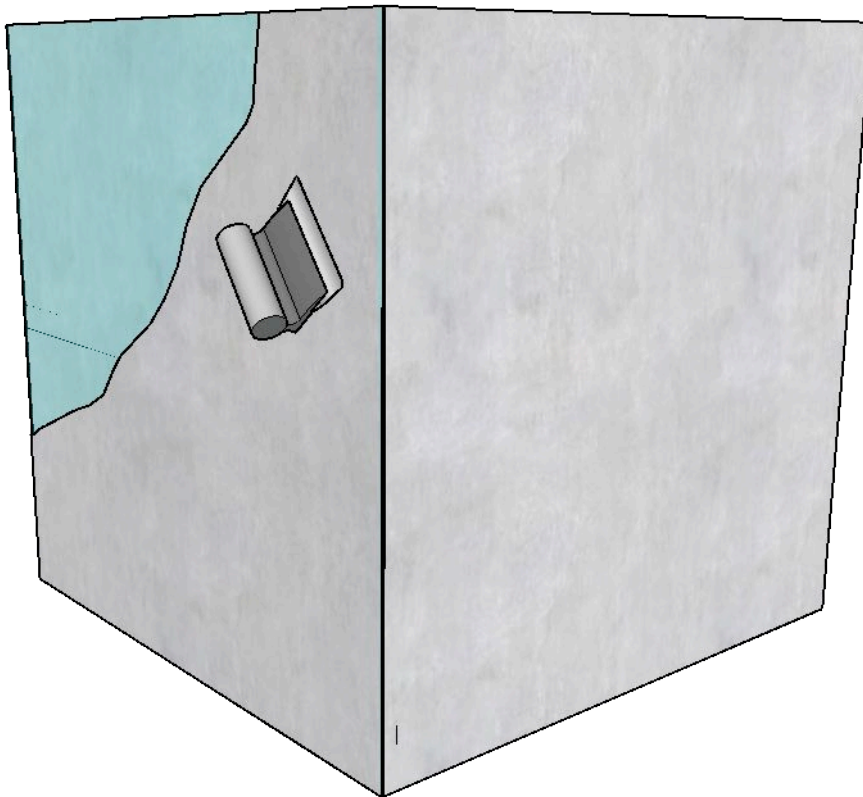
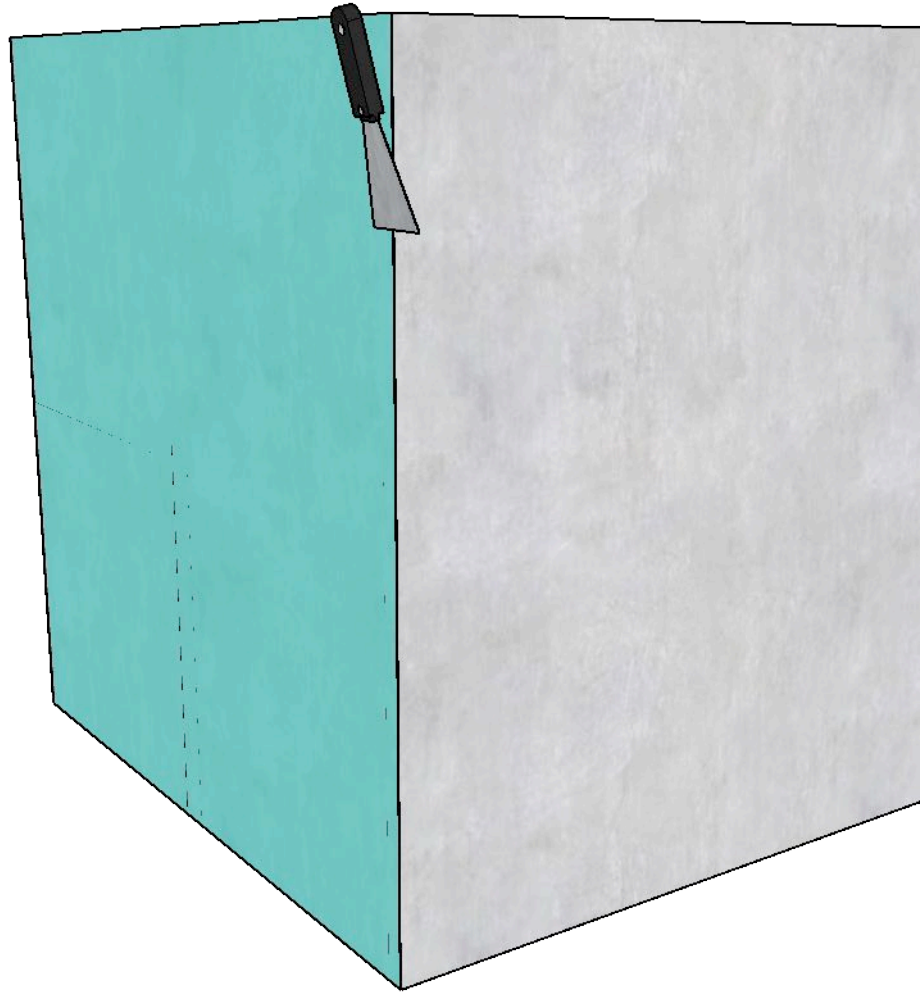
10. 2nd Coat Application

Mix and apply the microcement in the same way to walls. Apply to one surface at a time, ensuring that the application is as thin as possible.



11. Clean Off The Edges

Using a scraper as you have done previously, clean off any excess microcement on the edges.



12. Next Surface Application

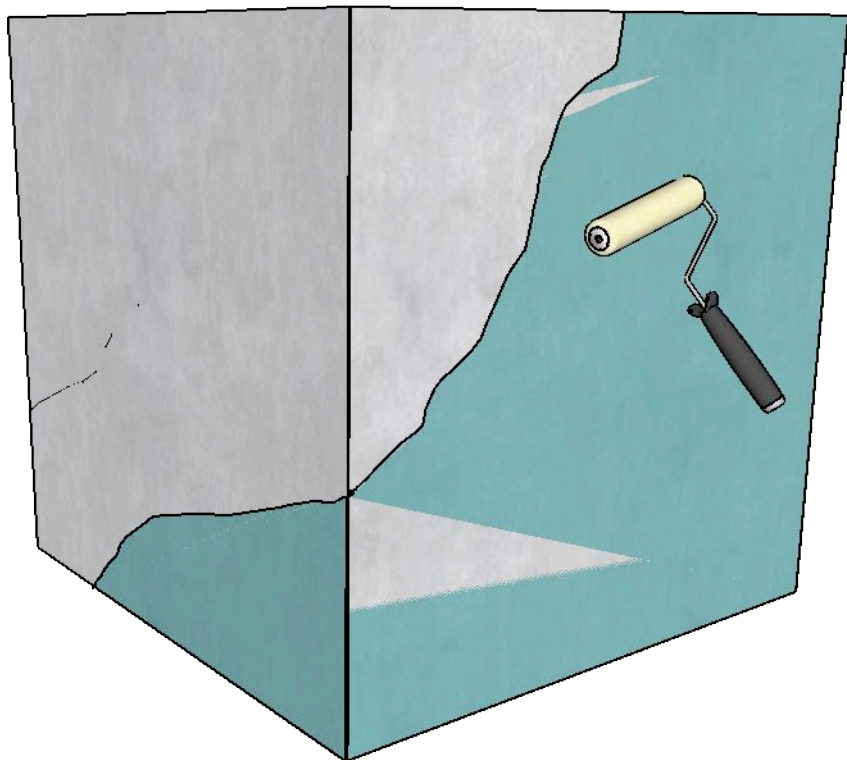
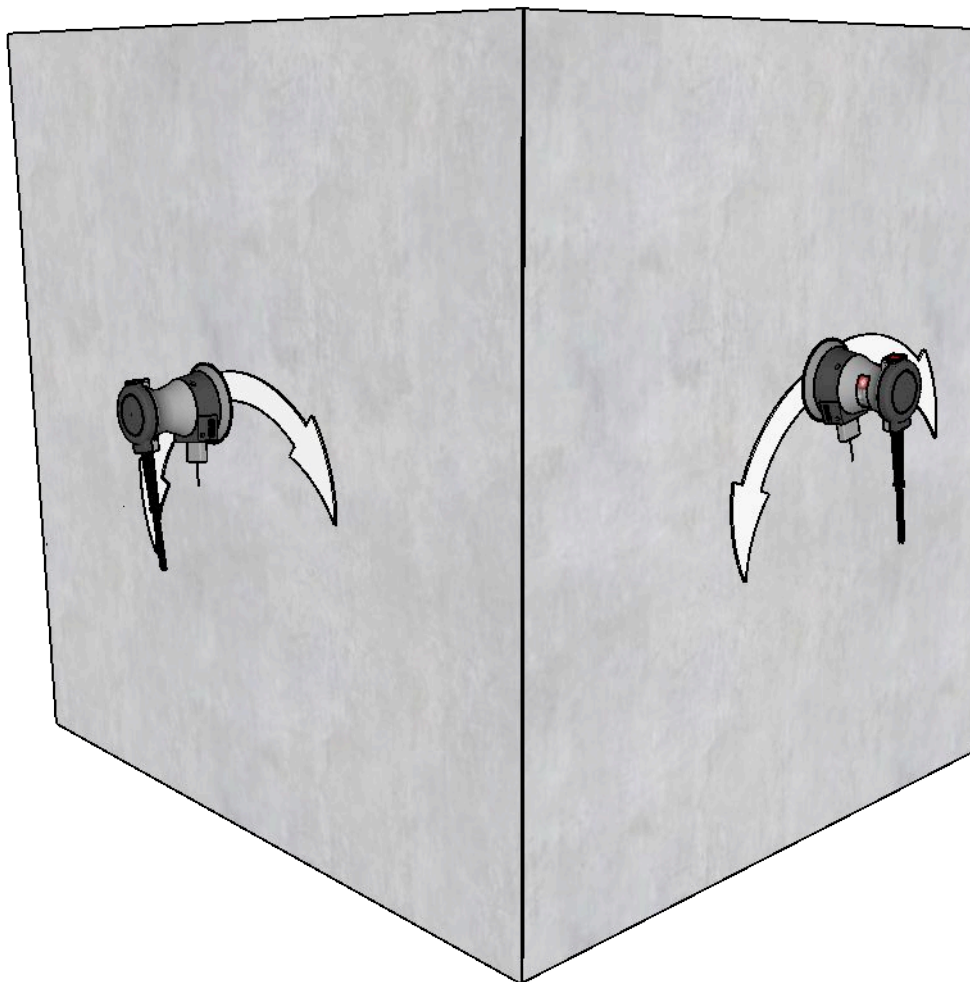
Mix and apply the microcement in the same way to the next surface.



13. Sand the 2nd Coat

Again using an orbital sander with good dust extraction, sand the microcement surface.

Use grits 80,120,180 and finish with 240 grit to achieve a smooth consistent and polished surface.



13. Sealer Application

Vacuum the surface of the finished microcement thoroughly.

Mix up and apply 3 coats of sealer according to our instructions using our sealer calculator.

instructions



calculator



CONCRETE LAB
polished concrete materials

Microcement Basics



1

Apply The Primer

Mix up according to the instructions. Apply as per the video.
Use the QR Codes for both.



2

Mix The 1st Coat Of Microcement

Mix up according to the instructions.
Use the QR Code.



3

Apply The 1st Coat Microcement

Apply the microcement according to the instructions.
Use the QR Code.



4

Sand The 1st Coat Microcement

Sand the microcement according to the instructions.
Use the QR Code.



5

Sand The 1st Coat Microcement

Sand the microcement according to the instructions.
Use the QR Code.



6

Re-Primer & Apply The 2nd Coat

Mix up according to the instructions. Apply as per the video.
Use the QR Codes for both.



7

Sand The 2nd Coat Microcement

Sand the microcement according to the instructions.
Use the QR Code.



8

Seal the Microcement

Seal the microcement according to our instructions.
Us the QR Code



Video



Video



Video



Video



Video



Video



Video



Video