

Why Us?

- Our **eco-friendly** microcement provides beautiful finishes, longevity and sustainability.
- You can expect to make **great margins** across all residential and commercial projects. Our **prices are unparalleled**.
- We offer a full **10 year product guarantee** and full UK support for professionals and installers alike.



- Our partners get **full training, ongoing support** and international laboratory **certification**
- Customers are spoilt for **choice** with our **wide selection** of colours, systems and finishes
- You **get dedicated support from a UK team** fluent in English, Spanish, French and Polish with over 20 years experience



It can be applied to any hard surface, both indoors and out including (but not limited to):

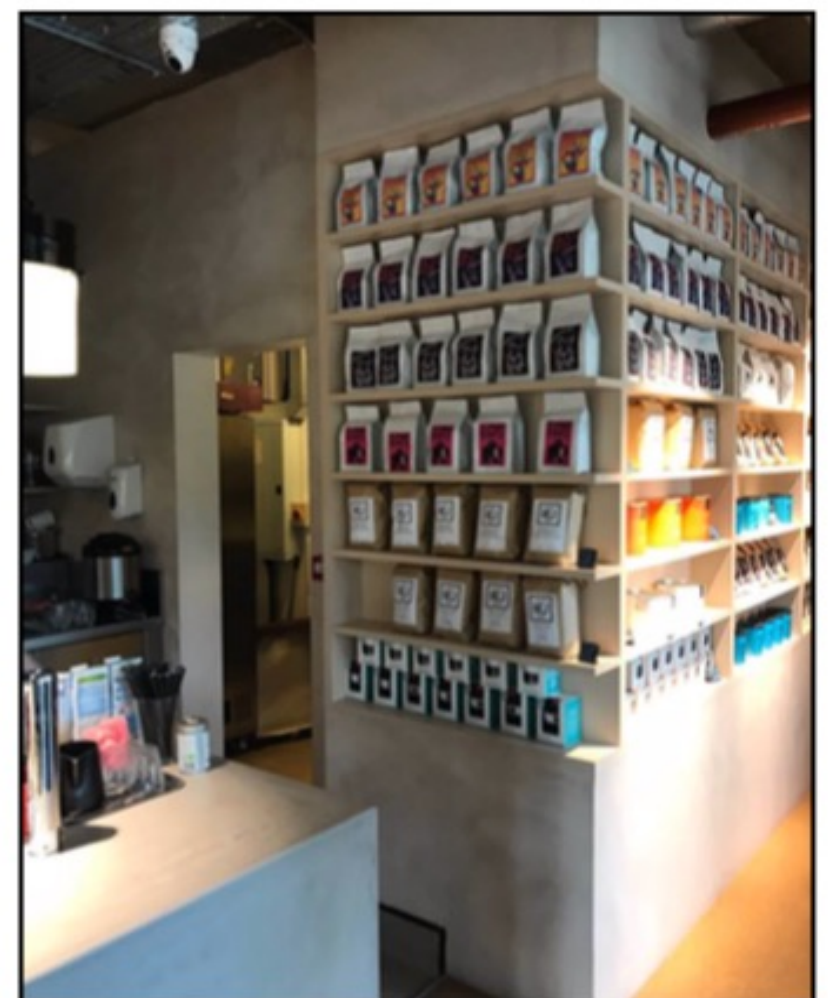
- Existing floors
- Plastered walls and ceilings
- Bathrooms and kitchens
 - Countertops
 - Bathtubs
 - Furniture
 - Doors
- Stairwells and steps

What is it?

- Epoxy Microcement is a decorative two-component mortar based on epoxy resins in aqueous dispersion.
- Due to its seamless, waterproof, hardwearing and beautiful decorative properties, Epoxy Microcement is becoming incredibly popular amongst residential and business owners across the UK.
- One of the best features of Epoxy Microcement is that it doesn't need joints, making cleaning and maintenance extremely easy.
- Epoxy Microcement offers a wide range of possibilities and finishes, where the limitations are applied only by you.



- Stamp your room with a unique and personal character, thanks to the our different textures (thick, medium or fine), the great variety of colours and the different finishes (matte, satin or gloss) available.
- With the final surface built up over 4-6 layers (yet only 2-3mm thick!), Epoxy Microcement can be used on floors, walls, stairs, large commercial floors, wet rooms, showers, patios and even swimming pools!
- Our handcrafted application makes the result of each project amazingly unique and special; unrepeatable as no two surfaces will ever be the same.



MICROCEMENT PRO EPOXY FINISH INFORMATION



All components of the Epoxy microcement system are provided, and simply need to be mixed on site with pigment where applicable.

This system provides an incredibly hard wearing surface and a low to high stucco effect depending on the chosen finish.

For a more UNIFORM Finish:

This is based on one coat of Primer and Vapour Barrier followed by two coats of Epoxy Microcement, 1 coat of clear Patina Topcoat and two coats of Polyurethane Topcoat.

Properties:

- Low Stucco Effect
- Very low textured finish
- This system can be used on walls, floors, ceilings, and other areas.

For a MID-HIGH STUCCO Finish 1-2 coats of Patina Topcoat with pigment are added prior to the Polyurethane Topcoat.

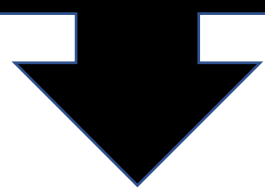
Properties:

- Mid to High Stucco Effect
- Completely smooth finish
- This system can be used for walls, floors, ceilings, and other areas.
- This system allows the mid to high stucco finish to be applied to floors and other high traffic areas.

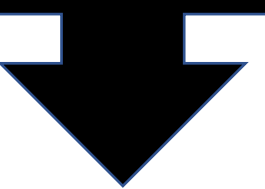
Process: Microcement PRO EPOXY



Surface Cleaning & Preparation



Patch and Crack Repair (where necessary)



Before the work starts, it is important the surface to be worked on is clean, debris free and as level as possible as this will impact the overall application process.

Ensure you protect the surrounding areas with plastic sheets or cardboard rolls where appropriate. For edges of the application area, paper or masking tape should be used.

- The substrate you are applying to needs to be solid and joint free.
 - **for walls** - these will ideally be plastered, dry-lined, skimmed, smooth rendered or similar.
 - **for floors** - these will ideally be tiled, an existing screed or similar. For all new floors, we strongly recommend preparing these with an anti-fracture matt and self-levelling compound. There are specific products we recommend for this and it is very important the person preparing these sections uses these.

* If in any doubt regarding substrates, please contact us.

Please note this step is not necessary for smooth surfaces without cracks / joints / imperfections (for example self-levelled floors or skimmed walls).

- Where cracks / tile joints / irregularities exist, it is recommended that you fill these with PRO H2O BASE or THICK BASE (from our H2O range which is additional to the epoxy system).
- Ensure the area you are filling is clear of debris and dust.
- Measure out and pour the desired number of Litres of Resin into a clean bucket.
- Slowly add the BASE or THICK BASE (powder) into the water, gradually increasing the speed of the mixer. It is recommended to add the powder in 7 to 15 batches to ensure the mixture is consistently and thoroughly mixed.
- You should now have a uniform consistency without lumps.
- Leave the mixture for 5 minutes, until it matures allowing air bubbles to escape.
- Fill in all irregularities and leave for 24 hours.
- Sand with 40 grit sandpaper or sanding discs.

BASE RATIO GUIDE

Consumption: 1 coat – 1Kg/m²

Mix: 20 Kg. – 5.5 - 6L Water

THICK BASE RATIO GUIDE

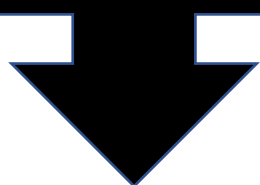
Consumption: 1.5Kg/m²

Mix: 20Kg. 5.5 – 6L Water

Process: Microcement PRO H2O



Surface Priming & Fiberglass Mesh Application

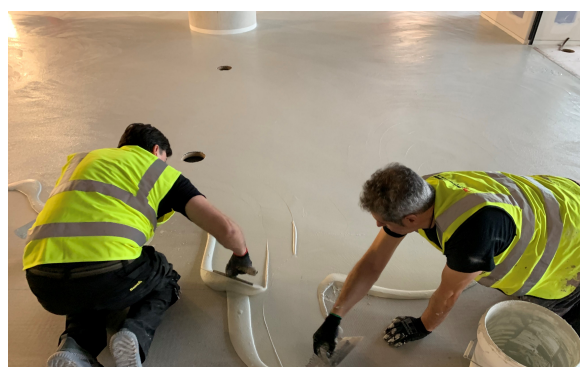


- Reinforce joints and corners with either Mesh Tape or Reinforcement Paper Tape.
- Use the PRO Primer 100 for the application area. PRO Primer 100 is suitable for adhering mesh and mesh tapes to absorbent and non absorbent surfaces.
- Apply Mesh to all flat surfaces to be covered with microcement.
- Mesh should be applied with Primer 100 using a roller and brush where necessary.
- Leave for a minimum of 30 minutes or until primer and mesh are dry.

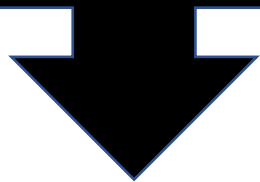
Consumption

Performance: 10 meters per Litre

Format: 1L to be mixed with 5L of water



First THICK BASE Layer application



- Measure out and pour 5.5 – 6 Litres of Water into a clean bucket.
- Slowly, add 20 KG of PRO H2O BASE (powder) into the water, gradually increasing the speed of the mixer. It is recommended to add the powder in 7 to 15 batches to ensure the mixture is consistent and thoroughly mixed.

PRO H2O THICK BASE RATIO GUIDE

Consumption: 1 coat – 1.5Kg/m²

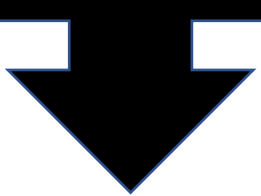
Mix: 20 Kg. – 5.5 - 6L Water

- You should now have a uniform consistency without lumps or excessive bubbles.
- Leave mixture for 5 minutes until it matures, allowing air bubbles to escape
- Apply first coat of THICK BASE using a steel trowel and filling knife. The 1st coat of THICK BASE does not require pigment and it is recommended a stiff, square edge trowel is used for this.
- The base coat should cover the mesh and be left as smooth as possible.
- Once spread, leave for 12 hours or until completely dry.
- Sand with 40 grit sandpaper. Circular sanding machines are recommended for large flat areas and corners / edges should be sanded by hand.
- Do not be alarmed if some mesh can be seen after sanding the first coat.

Process: Microcement PRO H2O



Prime Thick Base with Orfapol ready for Epoxy Microcement



Once your Thick Base is cured and sanded it requires priming with one coat of Orfapol Polyurethane topcoat. This is also the final topcoat used to seal your floor or walls but is perfect for priming Thick Base, in readiness for Epoxy microcement.

Ensure the surface is completely free of dust prior to starting. Mix components A+B in a clean paint scuttle or similar. This coat should be applied using a brush around edges and corners of surfaces and with a clean medium pile roller across larger open areas. Apply without overloading.

Consumption: 5 square meters per Litre

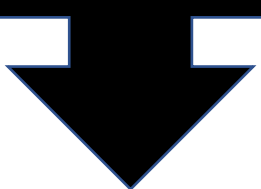
Format : 7.2L total

Mix: 6.2L Component A + 1L Component B

To mix: Disperse 6.2L of component A into a container / bucket and gradually mix in 1L of component B. Reduce quantities as required for smaller areas.



1st Coat Epoxy Microcement Application



Your surface is now ready for Epoxy Microcement which will be spread over two coats. These coats form the main part of the overall finish.

Performance: 0.5-0.6 kg/m² (1 coat)

Format: A=90 B=10

- Pour the necessary pigment into component A. Then pour contents of part B into part A, and mix with low speed whisk. Continue mixing increasing speed gradually until completely homogenized. To add colour to the mixture it is necessary to add water based pigments provided and ensure these are mixed thoroughly.

Usage Way: Mix the components A + B with a mixer at low speed for at least 3 minutes until a perfect homogenization is achieved. Product can be applied via steel or rubber trowel although a Microcement PRO flexible trowel is recommended.

Leave for 24 hours or until dry. Prior to second coat of epoxy microcement surface should be sanded with a 80 grit sandpaper.

Process: Microcement PRO H2O



Repeat process of first coat and leave for 24 hours or until dry. Sand again with 80 grit sandpaper.

Note: For a higher stucco finish 1-2 coats of Patina Topcoat **with pigment** can be added prior to sealing with Polyurethane Topcoat. If you require a more uniform finish the Patina Topcoat is applied **without pigment**.

2nd Coat Epoxy Microcement Application



Application of Patina Topcoat

Application of 1 coats of Patina Topcoat with pigment added creates visual movement in the finish. It is necessary to apply this coat for a mid to high stucco finish. For a very low stucco finish, the Patina Topcoat is added without pigment. This step is necessary as a protective coat on the Epoxy Microcement.

Performance: 0.1 kg/m² – applied directly 1 component or with pigment for stucco effect

When necessary add the desired amount of pigment to the Patina Topcoat and mix thoroughly with a mixer starting at low speed and increasing gradually.

- Apply the material with a trowel.
- Avoid creating very thick films.

Polyurethane Topcoats are the final sealants involved in the process. This should always be applied over a minimum of two coats.

First coat can be diluted with 20% water. Second coat should not be diluted with any water.

Ensure the surface is completely free of dust prior to starting. Mix components A+B in a clean paint scuttle or similar.

This coat should be applied using a brush around edges and corners of surfaces and with a clean medium pile roller across larger open areas. Apply without overloading, waiting at least 45-60 minutes between layers. Avoid layers being too thick as it could delay the final characteristics product development (Through drying and water resistance).

Performance: 0.1 kg/m² (5kg=50m²) **Format:** A=90 B=10

Polythurethane Topcoat



Process: Microcement PRO H2O

This concludes the application process.

For any technical guidance please email us at info@microcementpro.co.uk

Important Notes

The above step-by-step is intended as a guide for installers.

We however strongly recommend undertaking training prior to installing such products, especially if you are not familiar with installing microcement.

Our 10-year product guarantee is only valid upon successful completion of our training course and issue of our installation certification.

It is important that underfloor heating is fully switched off during the installation process.

Microcement is fully waterproof from the outside once sealed but not from the inside so it is vital to ensure no moisture / damp or liquid can be released from the substrate.

Respect proportions of mixture required to ensure the final colour / finish desired is achieved.

Please also make your clients are aware of Microcement Pro Terms and Conditions which contain terms required to validate your 10-year guarantee. These contain vital preparation conditions which when met ensure the longevity of each and every one of your installs.