

## APPLICATION GUIDE

### BEFORE YOU START

- Protect surfaces adjacent to the project with masking tape, tarp and polythene.
- Prepare pail, drill with concrete mixer and trowel.

### FOR THE INSTALLATION OF MICROCONCRETE ON A FLOOR

#### A. Application on a existing ceramic floor

**\*The ceramic must be stable and free from cracks**

1. Clean the surface with Finitec surface preparation. Apply the surface preparation using the Finitec applicator and let it sit for about 5 minutes. Then, wipe the solution with a mop or cloth. Afterward, rinse the surface with clean water once or twice. (See our video tutorial on surface preparation)
2. Inspect your ceramic floor to ensure its stability and check for any broken or cracked ceramic tiles.  

\*If any ceramic tiles are broken, they should be removed before applying MicroConcrete. Then, you can fill the cavities left by the removed tiles using MicroConcrete or MicroConcrete filling.
3. To reduce the risks of grout telegraphing or 'ghosting' on MicroConcrete, we need to seal our grout lines. Here are two methods:
  - a. Seal the ceramic grout lines using our MicroConcrete protective sealer or a grout sealer.
  - b. Apply a liquid membrane across the entire floor surface to seal the joints. Ensure the membrane adheres well to your ceramic. Respect the drying time.
4. Fill the ceramic joints with MicroConcrete or MicroConcrete filler to level with the ceramic. Here are two methods:
  - a. Fill the grout joints with MicroConcrete or MicroConcrete filler using a small trowel, ensuring the joint is filled to be level with the ceramic. If there is excess on the ceramic, it can be sanded or smoothed out using a flat trowel, approximately 4 to 5 hours after application. Thoroughly clean the surface with a vacuum.
  - b. Apply a layer of MicroConcrete or MicroConcrete filler across the entire floor surface using a trowel at a 45-degree angle, ensuring proper filling of the ceramic joints. After 4 to 5 hours, remove any roughness using a metal trowel or sand the surface with an 80-grit sander. Thoroughly clean the surface with a vacuum.

\*The goal is to fill the ceramic joint and not to apply a uniform layer across the entire surface.
5. Apply a thin layer of 1 or 2 mm of MicroConcrete or MicroConcrete filler across the entire surface of your floor using a trowel. Let it dry for 3 to 4 hours. If your surface is rough, you can sand it with an 80-grit sandpaper. If the texture of your surface is satisfactory, use a flat trowel to remove any rough spots on the MicroConcrete. Then, vacuum the surface.

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6. Apply the MicroConcrete finishing layer. Let it dry for at least 12 hours.
7. If needed, sand the surface with an 80 \ 100-grit sander or use a flat trowel to remove any rough spots. Clean with a vacuum.  
\*It's crucial not to use a damp cloth or water to clean the MicroConcrete as it would stain the surface.
8. Apply the MicroConcrete Sealer, 2 coats for a matte finish\* and 3 to 4 coats for a wet look.  
\*The matte finish is an impregnator, so additional coats should be reapplied after 6 months to 1 year. When water no longer beads on the surface, you should reapply a coat of matte sealer.

Note: For spraying MicroConcrete, a hopper gun with a 4mm nozzle and a minimum air inlet pressure of 80 psi can be used. Then, smooth the sprayed surface with a trowel.

#### B. Application of MicroConcrete on a new plywood floor

**\*The plywood must be stable and securely screwed across the entire surface**

- 1a. Glue a 1/4-inch masonite with a 1/8" \ 1/8" \ 1/8" V-Notch trowel and AcoustiTECH AD-532+ adhesive, screwing it every 12 inches. **Wait for 24 hours before proceeding to step 2.**

OR

- 1b. Apply AD-860 adhesive in an S pattern on the masonite and screw every 4 inches. Wait for 4 hours before proceeding to step 2.  
\*The thickness of the masonite can be adjusted according to our needs to match the adjacent floor level.
2. Place a fiberglass tape over the masonite joints. Apply MicroConcrete or MicroConcrete filler on the masonite joint, place the fiberglass paper, and use the trowel to ensure the fiberglass tape is properly filled.
3. Sand off the excess on the joints to level the surface properly. It's important to wear a mask.
4. Clean with a vacuum.  
\*Apply a minimum of 2 coats of MicroConcrete. For highly trafficked areas, we recommend a minimum of 3 coats of MicroConcrete.
5. Apply a thin layer of 1 or 2 mm of MicroConcrete or MicroConcrete filler across your floor surface using a trowel. Let it dry for 3 to 4 hours. If your surface is rough, you can sand it with 60 or 80-grit sandpaper. If the porosity of your surface is satisfactory, you can use a flat trowel to remove any rough spots on the MicroConcrete. Then, vacuum the surface.
6. Apply your additional layers following the same instructions. The finishing layer must be done exclusively with the MicroConcrete. After applying the last layer of MicroConcrete, let it dry for 12 hours.
7. If necessary, sand the surface using an 80\100-grit sander or use a flat trowel to remove any rough spots. Clean with a vacuum.  
\*It's crucial not to use a damp cloth or water to clean the MicroConcrete, as it would stain the surface.
8. Apply the MicroConcrete Sealer, 2 coats for the matte finish\* and 3 to 4 coats for the wet look  
\*The matte finish acts as an impregnator, so additional coats should be reapplied every 6 months to 1 year. When water no longer beads on the surface, you should reapply a coat of matte sealer.

Note: For spraying MicroConcrete, a hopper gun with a 4mm nozzle and a minimum air inlet pressure of 80 psi can be used. Then, smooth the sprayed surface with a trowel.

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#### C. Application of MicroConcrete on a concrete floor

\*MicroConcrete is not designed to level a concrete slab.

\*MicroConcrete is not designed to address moisture issues; excessive moisture within the concrete slab can cause detachment or discoloration of the MicroConcrete.

\*You can fill cracks and cavities with our MicroConcrete filler. Refer to the chart for drying times in our technical sheet.

\*Clean the slab with Finitec surface preparation or concrete cleaner.

\* If the slab is painted and/or sealed, we recommend sanding it with an 80-grit sandpaper.

1. Check the porosity of the concrete by placing water drops in several areas on the concrete and ensuring that the water penetrates inside the concrete within a maximum of 1 minute. Otherwise, you should sand again to open the pores of the concrete.

\*We recommend applying 2 to 3 coats of MicroConcrete on a concrete floor.

2. Apply a liquid membrane over the entire surface of the concrete floor.

3. Apply a thin layer of 1 or 2 mm of MicroConcrete or MicroConcrete filler across your floor surface using a trowel. Let it dry for 3 to 4 hours. If your surface is rough, you can sand it with 60 or 80-grit sandpaper. If the porosity of your surface is satisfactory, you can use a flat trowel to remove any rough spots on the MicroConcrete. Then, vacuum the surface.

4. Apply your additional coats following the same instructions. The finishing layer must be done exclusively with the MicroConcrete. After applying the last layer of MicroConcrete, let it dry for 12 hours.

5. If necessary, sand the surface with an 80\100-grit sander or use a flat trowel to remove any rough spots. Clean with a vacuum.

\*It's crucial not to use a damp cloth or water to clean the MicroConcrete, as it would stain the surface.

6. Apply the MicroConcrete Sealer, 2 coats for the matte finish\* and 3 to 4 coats for the wet look.

\*The matte finish is an impregnator, so additional coats should be reapplied after 6 months to 1 year. When water no longer beads on the surface, you should reapply a coat of matte sealer.

Note: For spraying MicroConcrete, a hopper gun with a 4mm nozzle and a minimum air inlet pressure of 80 psi can be used. Then, smooth the sprayed surface with a trowel.

#### DRYING TIME

Touch: between 1 and 3 hours

Recoat: 4 hours

Circulation: 12 hours