

## 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.
- It is important to note that once MicroConcrete is mixed with cold water, depending on the ambient temperature, you will have between 20 and 60 minutes to apply it to the desired surface.
- Do not use the surface preparation on a new, unfinished, or porous surface, such as plywood, MDF, or HDF.

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For outdoor use, MicroConcrete is applied only on concrete. The concrete must be stable and free of crumbling.

MicroConcrete remains sensitive to moisture and is not designed to address moisture issues within the existing concrete.

#### Recommendation for using MicroConcrete Outdoors :

1. Ensure that the concrete substrate is stable. Remove any pieces of concrete that are crumbling or loose.
2. Clean the surface to be covered with a pressure washer and a [surface preparation](#) product or other concrete soap. Rinse and allow to dry. Do not use the surface preparation on a new, unfinished, or porous surface, such as plywood, MDF, or HDF.
3. Mix the MicroConcrete with cold water using a drill and concrete mixer, maintaining a ratio of 20mL of cold water per 100g of MicroConcrete (700mL of cold water for a 3.5kg bag and 3.6L of cold water for an 18kg bucket), until a smooth and homogeneous mixture is obtained. Let the mixture sit for 2 to 3 minutes, then mix again. **Use a scale to ensure color uniformity. (VERY IMPORTANT STEP)**
4. If necessary, repair cavities and cracks with MicroConcrete or [MicroConcrete filling](#) (horizontal application only). See the [technical data sheet](#) for MicroConcrete filling to check the waiting time before covering with MicroConcrete.
5. Apply the MicroConcrete using the [Finitec flexible trowel](#) with half-moon or circular motions. Once the MicroConcrete is spread over your surface, wait 2 to 5 minutes to allow it to set on the substrate. Then, smooth the surface with a trowel to level it and achieve the desired appearance. If needed, you can apply a second layer after 4 hours if the MicroConcrete is dry to the touch.

A textured roller can be used to create texture and/or a non-slip finish. MicroConcrete can also be sprayed using a stucco gun.

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

6. After 6 hours following the application of your last layer of MicroConcrete, sand the surface with 80 or 100 grit paper or remove any roughness with a trowel.
7. Clean dry with a brush or vacuum. Do not clean with water or a damp cloth.

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8. After a minimum of 24 hours following the application of your last layer of MicroConcrete, apply the [protective sealer](#). See the sealer [application guide](#) for detailed instructions.

### PRECAUTIONS / RESTRICTIONS FOR THE MICROCONCRETE

- Do not apply in direct sunlight.
- Mix MicroConcrete with cold water.
- Apply MicroConcrete at a temperature between 10°C and 25°C.
- Ensure that there is no rain during the first 72 hours.
- Wait 24 hours before applying the sealer.
- MicroConcrete requires a minimum temperature of 10°C (50°F) to cure properly. This temperature must be maintained or at least 4 to 6 hours during the application. During both application and curing, the ambient temperature must not fall below 5°C (41°F) or exceed 32°C (90°F).
- Sunlight and weather exposure can alter the color of MicroConcrete, especially the Carbone, Pearl, and Ivory shades.
- The Carbone shade absorbs heat and can become very hot under direct sunlight.
- It is recommended to use only sand or a concrete-safe de-icer to de-ice MicroConcrete surfaces.

**For more information, please refer to the technical data sheet.**

### APPLICATION OF THE SEALER

Before applying the sealer, the MicroConcrete must mature for a minimum of 24 hours.

1. If necessary, sand or remove the rough spots from the MicroConcrete
2. Clean the surface with a vacuum or a leaf blower.

#### **Matte Sealer**

1. Apply 1 to 2 maximum coats of matte finish sealer with a roller, brush, or [Finitec applicator](#). Wait 1 to 2 hours between coats. \*However, you cannot exceed 12 hours between coats of sealer.

The matte sealer is a penetrating sealer, an impregnating sealer. It protects from within the MicroConcrete. Once the MicroConcrete is saturated, the sealer no longer penetrates. The excess sealer will remain on the surface and can mark easily. If needed, remove the excess sealer with a dry cloth. The matte sealer will fade over time; when water starts to stain the surface and no longer beads, a new coat of sealer must be applied.

#### **Wet Sealer**

1. Apply 2 to 4 coats of sealer with a roller, brush, or [Finitec applicator](#). Wait 1 to 2 hours between coats. \*However, you cannot exceed 12 hours between coats of sealer.

The wet finish sealer will gain gloss with the number of coats: 2 coats for a satin finish, 3 coats for a semi-gloss finish, and 4 coats for a wet effect.

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\* The matte finish and wet finish sealers are water-based and become water-repellent after 12 hours. If the sealer is applied over itself after 12 hours, the water-repellent property of the sealer will cause the water contained in the sealer to bead up. The matte and wet sealers do not mix together and should not be applied one over the other.

### PRECAUTIONS /RESTRICTIONS FOR THE PROTECTIVE SEALER

- Apply the sealer at a temperature between 10°C and 30°C.
- Ensure there is no rain for the first 72 hours.
- If the sealer is applied at a temperature above 30°C, the water may evaporate before the sealer penetrates the MicroConcrete, binds, and reacts chemically for proper protection.
- If the sealer is applied at a temperature below 10°C, the water may take too long to evaporate, affecting the chemical bond.
- Sealers should not be applied to a damp surface, as this could result in the appearance of white stains on the surface.

For more information, refer to the [technical data sheet](#).

### DRYING TIME

Touch: between 1 and 3 hours

Recoat: 4 hours

Circulation: 12 hours

### SHELF LIFE

MicroConcrete has a shelf life of two years if kept in its original packaging, well closed and stored in a dry place.

### RESPONSIBILITY

It is the user's responsibility to read the instructions before using the product. Consult our website at [www.finitec-inc.com](http://www.finitec-inc.com) or call our Customer Service Department at 1-888-838-4449 for more information.

### WARRANTY

Finitec Hardwood Products Inc. certifies that the product is free from manufacturing defect. The user assumes all responsibility for use in accordance with instructions of this label. Manufacturer's responsibility is limited to replacement of the product.

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### FIRST AID

Contains Portland cement and sand (crystalline silica). In case of eye contact: Flush eyes with plenty of water for at least 15 minutes. In case of skin contact: Wash exposed and/or contaminated parts thoroughly after handling. If inhaled: Move conscious victim to fresh air. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison control center or doctor.