

MicroConcrete Filling

TECHNICAL SHEET

DESCRIPTION

The MicroConcrete filling is designed to fill ceramic joints, cavities, and cracks on floors. It can also be used as a first layer on floors.

It can't be applied vertically. The MicroConcrete filling is not a finishing product.

DRYING TIME

Thickness	Drying	Observation	Remarks
1/32" to 3/16"	4 to 6 hrs	The color of the MicroConcrete filling fades as it dries	The duration depends on the ventilation and ambient humidity. Take these factors into account for optimal application.
1/4" to 3"	12 to 15 hrs	It is possible to observe small cracks once dry.	Replenish of MicroConcrete filling
3" to 6"	15 to 24 hrs	Cracks and deep cavities can cause a slight collapse.	Replenish MicroConcrete filling



Coverage
±180 sq. ft for 18 kg



Application
Trowel
Taping Knife



Easy to use



Available sizes
18 kg

APPLICATION

Fill the ceramic joints

1. Fill the ceramic joints with MicroConcrete or MicroConcrete filling to level with the ceramic. Here are 2 methods :
 - A. Fill the grout joints with MicroConcrete or MicroConcrete filling using a small trowel, making sure the joint is filled to the same level as the ceramic tile. If there is an excess on the ceramic, it can be sanded or smoothed with a flat trowel, approximately 4 to 5 hours after application. Clean the surface thoroughly with a vacuum cleaner.
 - B. Apply a layer of MicroConcrete or MicroConcrete filling on the entire surface of the floor with a trowel at a 45 degree angle, making sure to fill the ceramic joints. After 4 to 5 hours, remove any rough spots using a metal trowel or sand the surface with an 80 grit sandpaper. Clean the surface thoroughly with a vacuum cleaner.

*The goal is to actually fill the ceramic joint and not to apply a uniform layer over the entire surface.

Fill the cracks and cavities

Before filling in the cracks and cavities, we recommend spraying a little water on the surface to be filled. Fill the crack or cavity with a trowel or grout bag.

PHYSICAL PROPERTIES

VOC	0 g/L
pH	11
Resistance to chemicals	Excellent
Resistance to abrasion	Abrasion ASTM D4060 (wheel H22 pour concrete, 1000 cycles) 0,88 g (mass loss)
Flexibility	On HDF 3,2 mm (1/8"), diameter (D) minimal cylinder D > 305 mm (12")
Strength at 28 days	> 20 MPa
Main composition	Portland cement
Density	1,16 kg/L

TECHNICAL DATA

Coverage	±180 sq. ft for 18 kg
Available sizes	18 kg
Shelflife	2 years (when the bag is well closed and stored in a dry place)
Application tools	Trowel or taping knife
Cleaning tools	water
Storage	Between 10 et 30 °C (50 et 85 °F) Fears humidity
Recommended substrates	MDF, HDF, wood, metal, glass, gypsum, paint, concrete, masonite, ceramic*, laminate, melamine*. The substrate must be in good conditions and stable.
Mixing ratio	100g of MicroConcrete filling for 20 mL of water
Lifetime of the mixture	About 2 hours

* See instructions for ceramic and melamine.

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.

WARNING

1. Do not clean the MicroConcrete surface with water or a wet cloth, it will change the color.
2. MicroConcrete is tinted with natural pigments, the color may vary from one batch to another. (Mix the 2 bags if you have 2 different batches)