

MicroLeveling



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It is a brand-new MicroLeveling, which is a decorative coating composed of Portland cement, additives and mineral pigments. It is a surface layer material with a thickness of only 1mm. It is a brand-new wall-ground integrated solution developed by the team of Vanlei Microcement Specialty Research Institute. The ground will abandon the complicated manual construction sequence and process, which can effectively solve the problems of slow drying time and high labor costs of microcement materials.

It can be used directly on concrete, ordinary self-leveling cement, ceramic tiles, and wooden floors without removing the original old ground. In terms of material performance, the use of ordinary self-leveling cement is limited, the color is single, and it is easy to crack. MicroLeveling can not only solve the above difficulties, but also solve the dependence on human operation, reduce human intervention, and reduce construction costs.

01. Main Ingredients

Portland special cement, quartz sand, nano calcium carbonate powder, titanium dioxide, additives (water reducer, retarder)

02. Product Features



A. Minimalist construction



B. Effective protection against UV rays



C. Thin coating (only 1mm thickness)



D. High viscosity high strength



E. The strength is also very high



F. Use of various spaces

03. Scope of application



Not applicable to external walls



Suitable for interior walls. The micro-cement leveling system is suitable for the ground system with a well-leveled mortar layer.

04. Complementary system



MicroLeveling



Emulsion



Primer



Topcoat



Microcement curing agent



Sealer

05. Technical parameters

Material Properties	Powder coating
Dry film thickness	0.5-1mm
Drying time (surface drying)	<2h(25-27°C)
Drying time (hard)	>72h(25-27°C)
Coating layer	2 times
Service life	> 10 years
Paint color	Multicolour

Storage	5-35°C, cool, dry
Net Weight	12.5kg
Package	
Package size	31*31*31cm

✓ **Reference Dosage** : 0.5-0.6kg/m² (1mm) ; 1-1.2kg/m² (2mm)

✓ **Tools** : Squeegee Trowel, trowel, wool roller, polishing tools



✓ Squeegee
Trowel



✓ trowel



✓ wool roller



✓ polishing
tools

06. Substrate requirements

① The bottom layer should be flat, clean, free of oil, hollow, dust-free, and have good strength. If there is any soft concrete material, it should be removed, and the dust and impurities should be cleaned before construction and two coats of primer.

② Brick interface pretreatment: (according to the requirements for the construction and treatment of microcement on the tile floor) after treatment, apply the special primer for

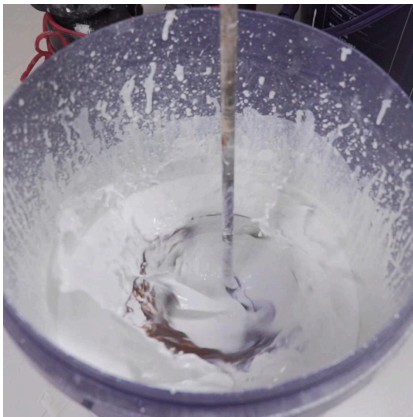
microcement twice.

- ③ Pretreatment of the mud brick interface: (according to the requirements for the construction and treatment of micro cement on the cement brick floor) After treatment, brush the microcement sealer twice.
 - ④ Mortar layer pretreatment: good alkali resistance, need alkali resistance mortar maintenance. Brush the microcement sealer twice after curing.
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07. Construction method



01. Apply two coats evenly with a primer.



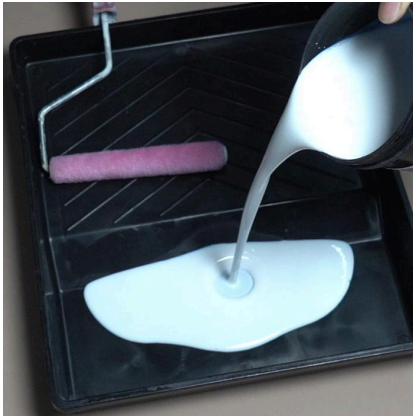
02. Mix the main ingredients in proportion.



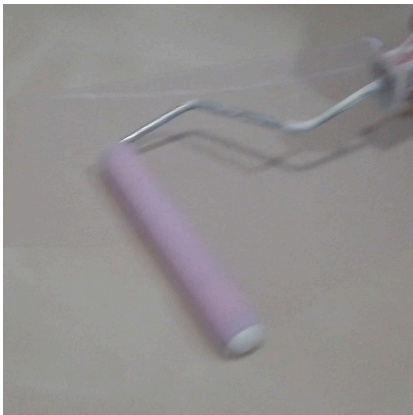
03. Pour the well-stirred slurry on the ground that has been painted with microcement special primer, and use a special Squeegee Trowel to spread it evenly. Sand after the first pass (80 grit sandpaper).



04.The second operation of batch scraping is the same as above (the water absorption will be relatively high after the first construction, and 5% water can be added when the material is too thick), and it will be polished after drying (320 mesh fine sandpaper for grinding, depending on the expected effect).



05.Roller coats penetrating sealer.



06.For roller coating of special finish paint, add 10% water and evenly roller coat twice.

08.*Shelf life*

6 months in a dry state at room temperature (at the time of original shipment)

09.*Implementation Standard*

GB 18582-2020 Limit of harmful substances of architectural wall coatings

10.*Environmental commitment*

This product does not add any heavy metals and other harmful substances, does not exceed the latest national standards for the limit of harmful substances in interior decoration materials, and is fully in line with the technical requirements of China's environmental products.

11. *Precautions*

- 1、 Read the construction instructions of the package before use to get reliable and satisfactory painting effect.
 - 2、 Please effectively separate, cover and shield the area of wood products and walls.
 - 3、 Temperature lower than 10 °C, relative humidity greater than 80 % can not be constructed.
 - 4、 Colour difference may exist between different batches of the same model.
 - 5、 The freshly scraped surface should try to avoid direct exposure to strong sunlight, strong wind and rain, so as not to cause surface cracks and reduce strength.
 - 6、 This product is a cement product. Rinse with clean water after contact with the human body. If you accidentally touch your eyes, please rinse with plenty of water and seek medical advice on time.
 - 7、 Leveling Issues: Cannot be treated as a caulk. Can only be used on flat ground (Ground only)
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12. *Technical support*

For assistance, please consult Wanlei (0757-81760676).



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