

MicroRock



MicroRock

Microcement is a type of material that can be directly applied on concrete, regular self-leveling cement, tiles, and wooden floors without the need to remove existing decorative materials. Its formula is suitable for indoor floors and walls as a thin continuous coating.



MicroRock is a high-performance microcement used for decorative surface coatings, capable of achieving various effects. Its natural mineral surface treatment is excellent; however, in principle, it is not recommended for outdoor construction.

01. Main Ingredients

Water, nano titanium dioxide, kaolin, cellulose, quartz sand

02. Product Features



A. The strength is also very high and can meet the needs of dense human flow



B. More waterproof than traditional microcement systems



C. The coating is thin (only 0.5-1mm thickness), with high and fast thermal conductivity



D. It has good wear resistance and waterproofness, and can be constructed in swimming pools or places with long-term contact with wet areas



E. High bonding and high strength. Can be firmly adsorbed on any solid surface to avoid hollowing and falling off



F. Use of various spaces

03.Scope of application



Not suitable for exterior walls, not suitable for floor heating systems.



Suitable for interior walls. Can be used as a continuous coating on interior floors and walls, in swimming pools or where there is long term contact with wet areas.

04.Complementary system



MicroRock



MicroRock-B
Component



Epoxy primer



Epoxy curing agent

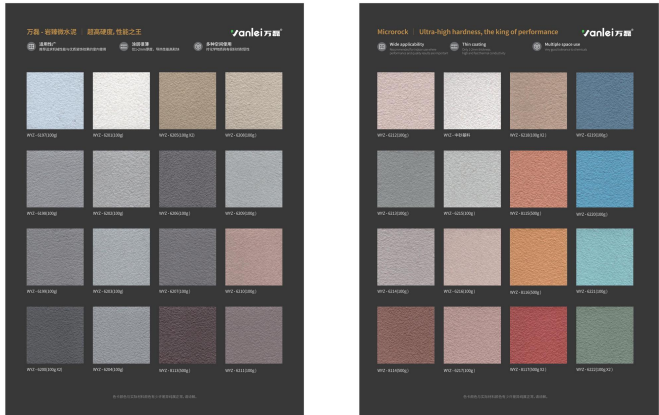


polyurea topcoat



polyurea curing
agent

05. Technical parameters

Material Properties	Solvent-free (water-based)
Dry film thickness	0.5-1mm
Drying time (surface drying)	2-3h (25°C)
Drying time (hard)	>48h(25-27°C)
Coating layer	Coarse sand 2 times, medium sand 2 times
Service life	> 10 years
Paint color	Multicolour > 
Storage	5-35°C, cool, dry
Net Weight	10kg

Package	
bucket size	27.5*27.5*26cm

✓ **Reference Dosage :**

Coarse sand: 0.7m²/kg (1 layer)

Medium sand: 1.5-2m²/kg (1 layer)

Fine sand: 1.8-2.5m²/kg (1 layer)

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



✓ trowel



✓ wool roller



✓ polishing tools

06. Substrate requirements

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

② Brick interface pretreatment: (according to the requirements for microcement construction on ceramic tile floors) After processing, apply the corresponding primer twice for pretreatment.

- ③ Mud brick interface pretreatment: (according to the construction requirements of microcement in cement bricks) After processing, apply the corresponding primer twice for pretreatment.
- ④ Mortar layer pretreatment: The mortar is highly alkaline and requires alkali-resistant mortar maintenance. After curing, apply microcement sealant twice.
-

07. Construction method



01.Roll Two-component epoxy primer(Epoxy primer: Epoxy curing agent=4.5: 0.5kg) once, let it dry, place fiberglass mesh, and roll another layer of Two-component epoxy primer. Each layer requires a drying time of 6-8 hours. (When applying the primer on an absorbent substrate, you can add about 30% water, and when applying it on a non-absorbent substrate, you can add 0-5% water. Use it up 12 hours after mixing.)



02.Pour MicroRock-B into MicroRock base material (MicroRock base material: MicroRock-B = 10:1kg), add pigment, and mix evenly with an electric mixer. Let the mixture stand for 10 minutes, then stir for 1 minute to fully dissolve suspended particles.Use it up 2 hours after mixing.

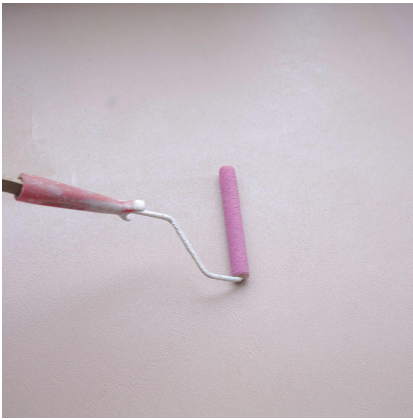


03.Apply two layers of MicroRock (coarse sand), with a drying time of 24 hours for each layer. After each layer is dry, sand with 240-grit sandpaper.

04.Apply two layers of medium sand/fine sand, during which you can create the desired texture. Each layer requires a drying time of 24 hours, and sanding with 180-240 grit sandpaper after drying.



04. Apply two layers of medium sand/fine sand, during which you can create the desired texture. Each layer requires a drying time of 24 hours, and sanding with 180-240 grit sandpaper after drying.



05. Roll polyurea topcoat (polyurea topcoat: polyurea curing agent=2.5: 2.5kg) two to three times, ensuring no areas are missed. The interval between layers should be 12-24 hours.

(Note: Do not add water to the topcoat. Ensure application tools remain dry and avoid contact with water. Use it 2-3 hours after mixing.)

08. *Shelf life*

12 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

GB/T 22374-2018 Floor 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、 Please use it in an environment with a temperature of 10°C~30°C (do not use it under extreme humidity or strong wind conditions). Construction cannot be performed when the relative humidity is greater than 80%.
 - 4、 Colour difference may exist between different batches of the same model.
 - 5、 The freshly scraped surface should be kept away from direct exposure to strong sunlight, strong winds and rainwater to avoid surface cracks and reduced strength.
 - 6、 This product is a cement product. Rinse with clean water after contact with the human body. If it accidentally comes into contact with your eyes, please rinse immediately with plenty of clean water and seek medical treatment in time.
 - 7、 During transportation, prevent rain, sun exposure, freezing, extrusion, collision, fire protection, etc.
-

12. *Technical support*

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



WeChat Official Account



WeChat mini program