



M i c r o c e m e n t R e s e a r c h I n s t i t u t e



BASIC EDITION

MICROCEMENT

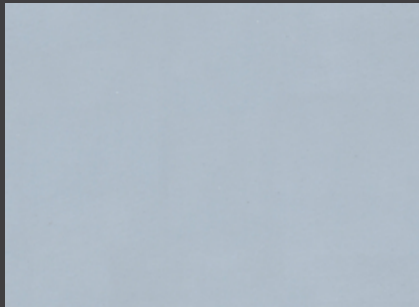




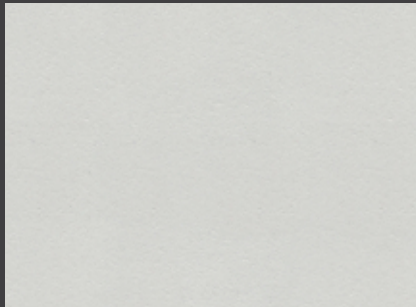
Microcement Research Institute

Microcement

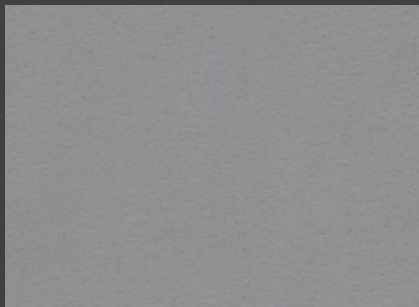
The wall and floor are integrated, using quartz with extremely high hardness and resistance as raw material, which can realize seamless application of the whole space of the ground, wall and ceiling



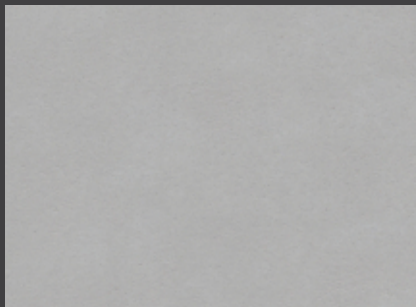
WSZ - 6197(100g)



WSZ - 6201(100g)



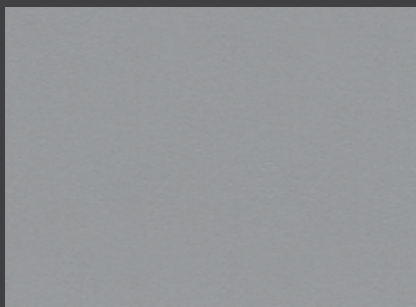
WSZ - 6198(100g)



WSZ - 6202(100g)



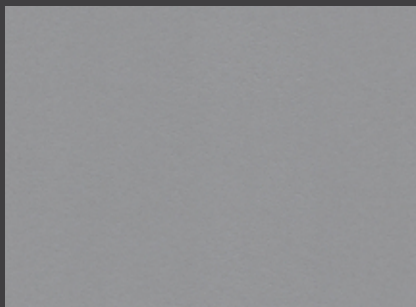
WSZ - 6199(100g)



WSZ - 6203(100g)



WSZ - 6200(100g X2)



WSZ - 6204(100g)

Microcement FAQ

①What is the hardness of microcement?

Scratch resistant. Despite its small thickness, one of the properties of this material is its high hardness.

②What kind of surface can be layered with microcement?

Microcement can be applied to almost any surface, cement mortar, terrazzo, slate or plaster. Laminates can also be applied on vertical or horizontal surfaces indoors or outdoors. The surface should be dry, free of dust and grease.

③Is microcement waterproof?

Microcement itself is waterproof. The use of a final protective film is essential because the protective film is waterproof. In this way, microcement can be used in toilets, bathtubs or wet areas, but the surface must be used.

④Is the microcement non-slip?

Yes, depending on the type of microcement, the texture of the finished product and the use of protective film, we can achieve any anti-slip effect.

⑤How to clean the surface of microcement?

To ensure a long service life for microcement, we recommend washing with water and neutral soap. Although microcement is highly resistant to chemical products, it should be cleaned with a mild soap, not aggressive products or detergents. In general, try to avoid products such as chlorine, bleach, ammonia, soaps, and detergents, as they can damage the protective film.

Fine Sand MicroCement Wsx - 6197 (100g)

Medium Sand MicroCement WSZ - 6202 (100g)

Coarse Sand Microcement WSC - 6198 (100g)

CONSTRUCTION STEPS

Special Topcoat * (mix the two-component topcoat), roll 2 times

6 Protective layer

Roll the sealer, then polish with 240 mesh sandpaper

5 Waterproof sealing layer

Evenly mix the microcement medium sand with emulsion additive(16:4), apply for 1-2 times,
then polish with 180 mesh sand paper

4 Effect layer

Evenly mix the microcement base sand with emulsion additive (16:4), apply for 1-2 times,
then polish with 80 mesh sandpaper

3 leveling layer

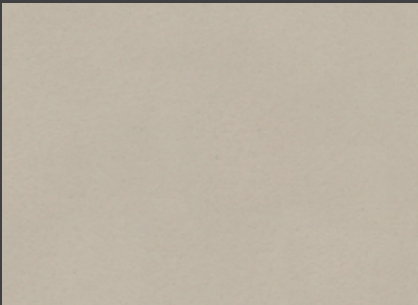
Roll the special primer, cover fiber mesh evenly

2 Anti-crack layer

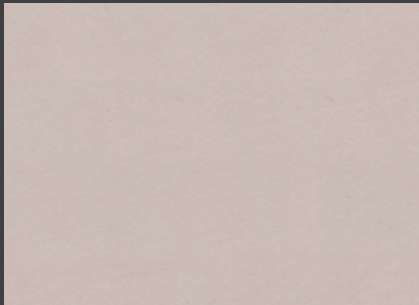
1 Base surface



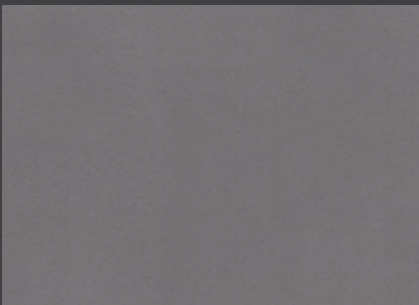
WSZ - 6205(100g X2)



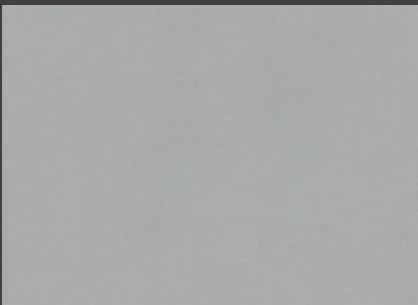
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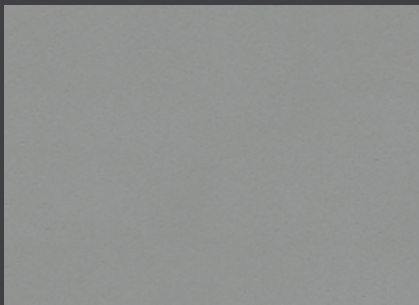
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WSZ - 6206(100g)



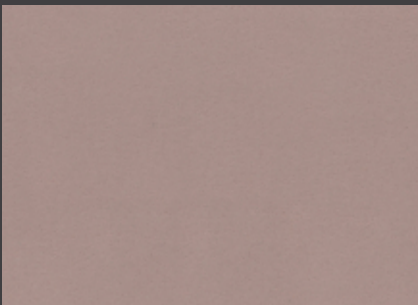
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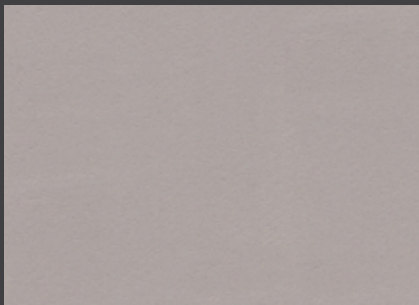
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WSZ - 6207(100g)



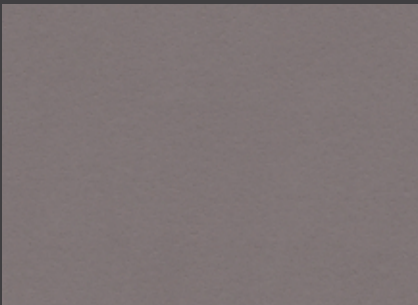
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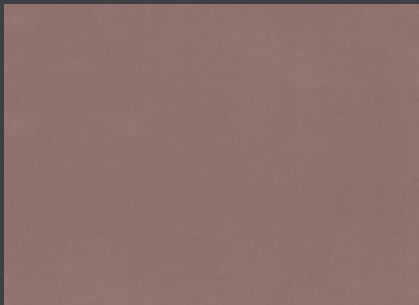
WSZ - 6214(100g)



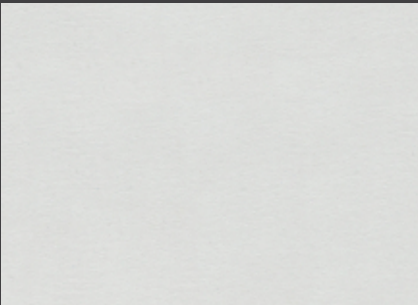
WSZ - 8113(500g)



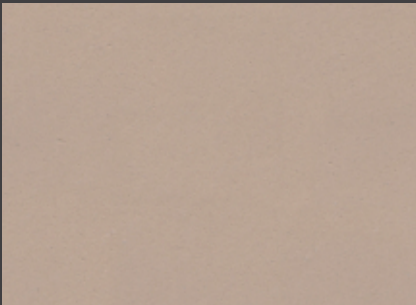
WSZ - 6211(100g)



WSZ - 8114(500g)



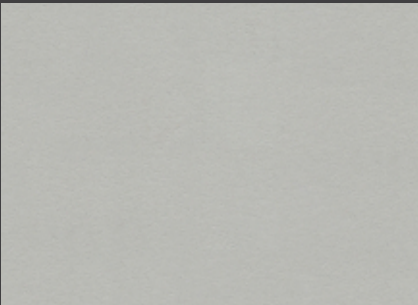
WSZ - 中砂基料



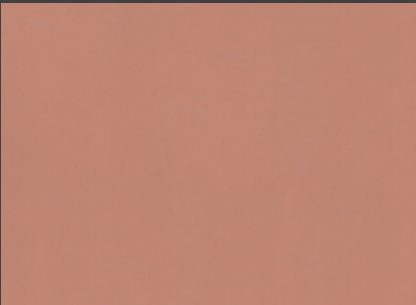
WSZ - 6218(100g X2)



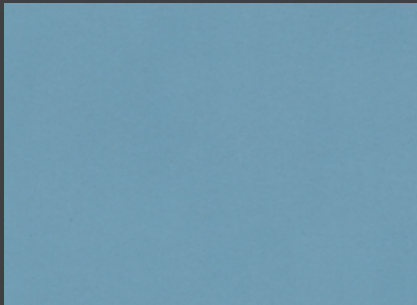
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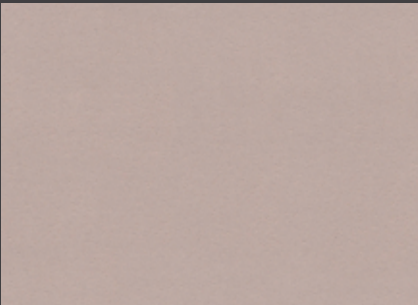
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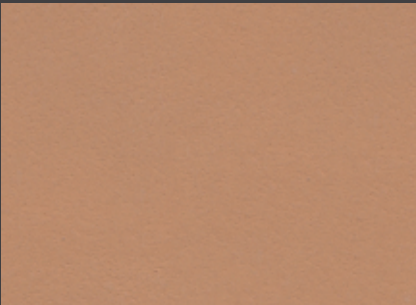
WSZ - 8115(500g)



WSZ - 6220(100g)



WSZ - 6216(100g)



WSZ - 8116(500g)



WSZ - 6221(100g)



WSZ - 6217(100g)



WSZ - 8117(500g X2)



WSZ - 6222(100g X2)

MICROCEMENT

Microcement is a decorative coating composed of Portland cement, additives and mineral pigments.

It is an inorganic original ecological product based on cement as the main binder, which conforms to the simplicity and simplicity of modern architecture. More and more architects in the world adopt this antique craft. They believe that this is a noble simplicity, which seems simple, but actually has more artistic effect than splendor.

main ingredient

Portland special cement, quartz sand, inorganic pigments and fillers, nano calcium carbonate powder, titanium dioxide

Reference dosage

Coarse sand: 2kg/m² Medium sand: 1kg/m² Fine sand: 0.7kg/m² (2 times)

construction steps

- ① Hang the net first, then use the penetrating primer to evenly coat
- ② Coarse sand material, add additives (the ratio is 16:4), and polish after the first scraping <80-mesh coarse sandpaper>
- ③ The operation is the same as above
- ④ The main material (medium sand) is mixed with additives (the ratio is 16:4), and then polished after scraping <180-mesh coarse sandpaper>
- ⑤ The operation is the same as above
- ⑥ Roll the microsealer
- ⑦ Special topcoat* (after adding two-component topcoat), evenly roll it twice

Topcoat
Sealing Coating
Finished layer microcement
Preparative layer microcement
Base preparation (fiber mesh + primer)

water ratio

Coarse sand: Microemulsion=16:4 Medium sand: Microemulsion=16:4 Fine sand: Microemulsion=10:4 Matte finish A: Micro-solid B =4:1

base surface treatment

- ①The base layer should be flat, clean, free of oil stains, hollow, and have good strength before construction.
- ②Old wall renovation: level the base layer, remove the loose surface layer, and clean the dust, grease and other impurities before construction.

Scope of application

Suitable for walls and ceilings, it has no joints for easy cleaning and maintenance

Features

- ①**Excellent flexibility:** The two-component microcement has high flexibility. As long as the base layer does not crack, the microcement product itself will not crack.
- ②**High-strength adhesion:** The two-component microcement has better adhesion to various substrates. It can be directly applied to the surface of marble, ceramic tile, formwork, cement board and other substrates
- ③**High compressive strength:** The compressive strength of microcement reaches 607N, much higher than other conventional floor materials
- ④**Class A fire rating:** Class A non-combustible material, suitable for various space applications
- ⑤**Excellent water resistance:** Microcement has excellent water resistance, and the microcement applied in the bathroom can withstand the scouring of cold and hot water for a long time, creating more possibilities for the small bathroom space
- ⑥**Excellent stain resistance:** stains of various strong acids and weak bases such as cola, coffee, soy sauce, etc. will not cause damage to the surface and are easy to take care of
- ⑦**Rich colors:** Mineral pigments are used for color matching, and micro-cement is mainly used for the integration of walls and floors. At present, only this product can create visual effects.
- ⑧**Wide range of applications:** tables, stools and other handicrafts can be painted



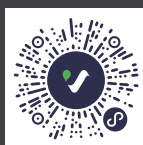
Packing specifications: coarse sand: 16kg/barrel, medium sand: 16kg/barrel, fine sand: 10kg/barrel



Consumables standard: 0.7-2kg/m² (1-2 times)

佛山市南海万磊建筑涂料有限公司

Foshan City Nanhai Wanlei Building Paint CO., LTD



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