



MANTOVA TASSANI

BETON & CEMENTI

Volcanic rock mineral material, environmental protection products...



TASSANI
MADE IN ITALY 1918

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IN ONE
HUNDRED
THE
QUALITY

— 百年品质 —

自 -

1918



至今

2023

Mantova Beton & cementi

What is Mantova
Microcement Use?



Mantova is a newly developed new type of composite coating material, mainly composed of two basic components: volcanic rock powder and cement composite material synthetic resin. It is produced by processing volcanic rock through thirty steps, breaking down into smaller molecules to make it stronger and lighter. In addition, due to its versatility and ability to combine with most materials, it has become one of the first choices for many people when decorating houses.

Mantova microcement is a composite material based on mineral pigments such as volcanic rock, resin, and quartz sand, which can be used in combination to achieve an artistic surface. Due to its handmade design, it can showcase its unique artistic sense and bring visual impact to people.

Mantova Microcement Use



Microcement systems can be applied both indoors and outdoors, making them ideal products for decorating walls, floors, and ceilings. There are two ways to use it: as a preparation layer or as a finished layer.

On walls and floors: Used in home decoration, it visually gives a more spacious feeling due to its unique overall design. In addition, it can be perfectly combined with traditional decorative elements such as wood, glass, or natural fibers, achieving a perfect balance. It has extraordinary adhesion on almost all surfaces, so the micro cement system is also very suitable for small renovation projects in bathrooms and kitchens. These bathrooms and kitchens do not need to remove old tiles, do not damage the original system, and can be constructed step by step to protect the walls to a greater extent.

Outdoor furniture: benches, flower beds, or stairs. Pool/Swimming Pool: Due to its good resistance to chemical reagents, alkalinity, and humidity, it has the function of preventing mold and algae.

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The integrated application system of "Microcement" for heaven and earth walls is delicate and textured, while also being sturdy and stable like cement. When used, there is no need to consider joint issues, and it can create a continuous, flowing, and integrated spatial vision. It has advantages and characteristics that other wall, floor, and top decorative materials in the market cannot match.



Mantova

Waterproof

Ultimate Waterproof

Excellent anti fouling ability and hydrophobicity, due to its sensitivity to chemical reagents, alkalinity, and humidity; Good resistance, it has anti mold and anti algae effects, making it more suitable for use in bathrooms, swimming pools, and kitchens.

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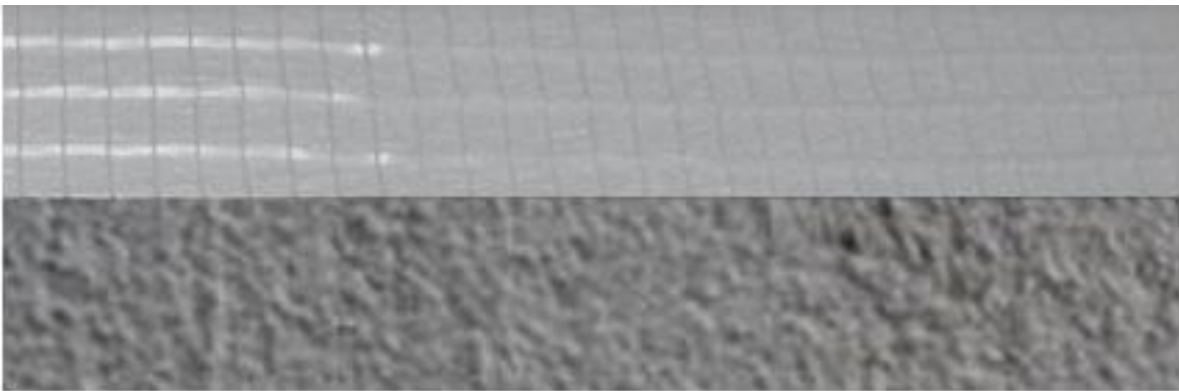


Mantova
Properties of Microcement

Properties of Microcement

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National Standard for Microcement&Layered Structure Explanation



Anti-cracking Layer

- 1. Cement interface paint
Product function: Seal the cement base layer to prevent sanding of the base layer cement.
- 2. Alkali resistant and crack resistant fiberglass mesh cloth
Product function: Enhance crack resistance
Product requirements: 60g, 8 mesh high density
- 3. Anti high elastic quartz based anti cracking mortar
Product function: Enhance the crack resistance effect of micro cement base. Product requirements: It has high elasticity and a quartz based crack prevention layer

Bottom Hardening Layer

Underlay/Foundation Micro Cement
Product function: Enhance the hardness of the bottom micro cement and prevent high-pressure depression
Product requirements: High cement content, quartz particle size>0.4mm

Effect Layer

Effect/Surface layer micro cement
Product function: Present the unique product effect of micro cement
Product requirements: Cement based, quartz particle size<0.2mm

Waterproof Sealing Layer

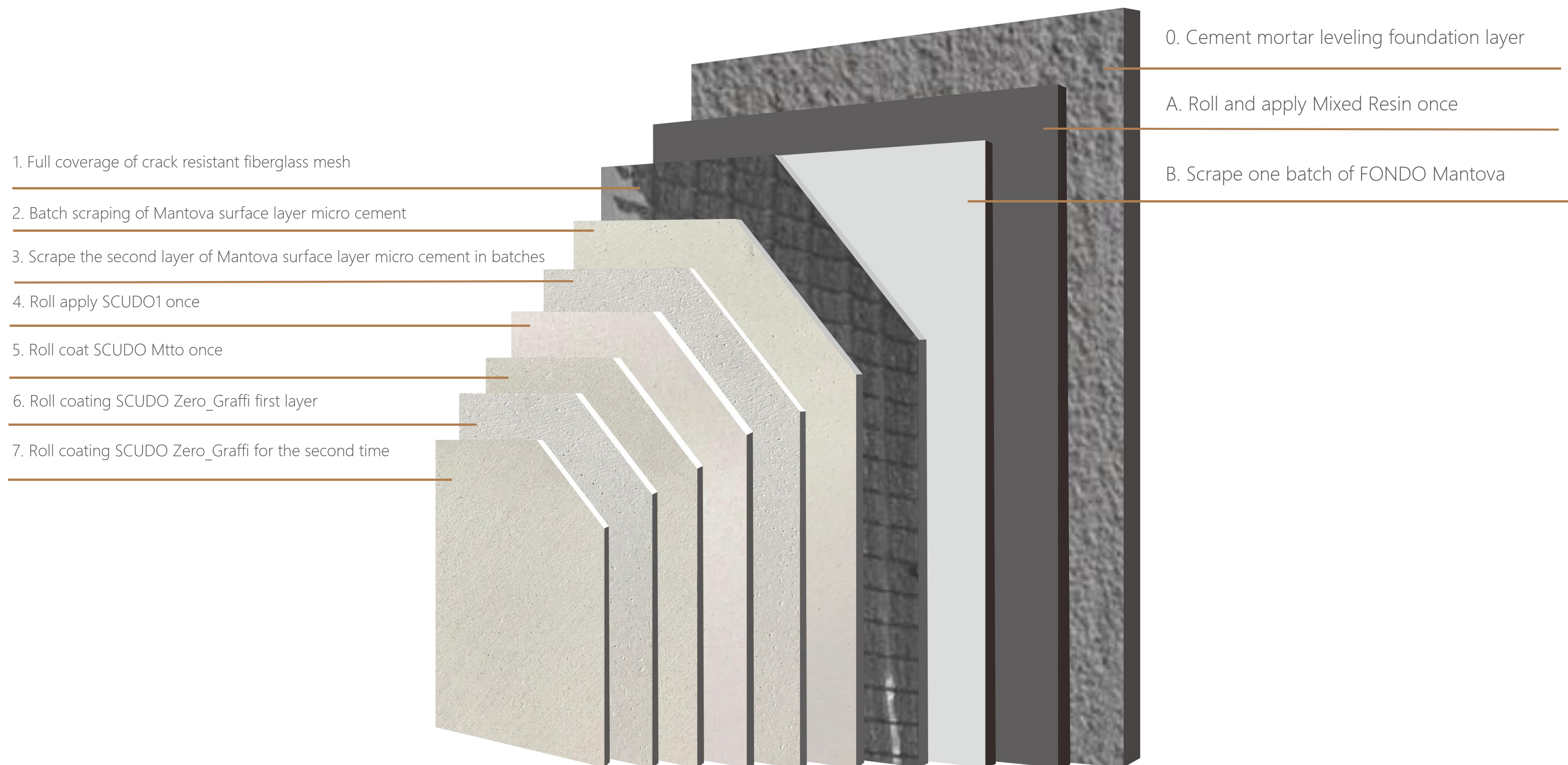
Sealing agent
Product function: Enhance cement hardness, seal capillary pores, and prevent liquid penetration
Product requirements: Ingredients include cement curing agent and waterproofing

Waterproof Sealing Layer

Two component polyurethane cover
Product function: Enhance wear resistance, prevent pollution, and resist acid and alkali corrosion
Product requirements: Two component, polyurethane type

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Technological Process



Technological Process

Coating Area:

1-1.5 liters/square meter

Surface Dry Time:

1-2 hours

Core Dry Time:

6-8 hours

Dilution Ratio:

adjusted according to construction conditions

Construction Conditions:

The construction temperature shall not be lower than 5 °C, and the humidity shall be less than 85%.

Construction Tools:

pointed mud knife, plastic scraper

Scope of Application:

Both ceiling, wall, and floor can be used

Process Effect: Cement texture



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Properties of Microcement



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The advantage of Microcement

Overall Seamless Design

Microcement is a high-quality seamless decorative coating that is suitable for use in areas such as home decoration, workwear, and swimming pools;

Due to its high wear resistance and crack resistance, ground micro cement can be suitable for high-frequency traffic areas, creating an overall seamless spatial effect, and is easy to clean and maintain.

The appearance is similar to polished cement, but its performance and properties are far superior to those of such products.

Only by seamlessly connecting tiles and floors that are impossible to achieve, can the walls and floors form a cohesive whole, truly showcasing a minimalist effect.



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The advantage of Microcement

Super Strong Weather Resistance

Microcement, due to its superior performance as a material,
can be used normally in some outdoor situations,
without fear of sun and rain,
strong application ability can achieve more ideal results in
indoor and outdoor integration.

It has been experimentally proven that,
Mantova micro cement does not crack when used in a
sun exposure environment, waterproof and other
performance have not decreased, and the quality is
trustworthy, especially suitable for outdoor swimming
pools and pools,
Under the premise of building integration, it brings a
better application experience.



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The advantage of Microcement

Excellent Waterproof Performance

Excellent waterproof properties;

Applicable to wet areas and outdoor walls, and has easy cleaning; Features such as wear resistance, scrub resistance, anti slip, and no mold; Superior waterproof performance, waterproof throughout the body, outdoor flooring;

Both the wet area of the bathroom and the kitchen can be used.

By using regular cleaning products, stains can be completely removed. Due to its waterproof properties, even if the surface matte coating is damaged, water and oil stains will not seep into the micro cement.



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The advantage of Microcement

Extremely Strong Fire Resistance Performance

It has the highest fire resistance level, non flammable, and high safety, micro cement is the best choice for many shopping malls, offices, places with high pedestrian traffic, and places with high fire resistance requirements.



Anti Bacterial and Anti Mold, Easy to Clean

We placed the micro cement sample in a fungal environment and after 28 days of cultivation, the surface remained very clean without any mold formation on the surface. It can be seen that micro cement has excellent anti mold performance. In addition, the inhibitory effect of micro cement on Escherichia coli and Staphylococcus aureus, which are very common in our daily life, especially in the bathroom, has reached 99.99%.

Ultra Strong Wear Resistance and Compression Resistance

Microcement has very high strength, and its wear resistance and compressive strength far exceed all self leveling cement and other micro cement products on the market. The characteristics of wear resistance and good adsorption effect of micro cement can ensure that the repaired ground will not crack again. Its compressive strength is 1.7 times that of traditional cement self leveling products. It can be used on any non cracking surface, such as gypsum board, gypsum, paint, cement, ceramics, tiles, marble, granite, porcelain, wood (without expansion joints), etc.

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The advantage of Microcement

Thin Coating Thickness, Elegant and Beautiful

Thin thickness and seamless continuous surface effectively enhance the overall design. Due to the extremely thin thickness of the finished surface of micro cement, when applied to the ground, the finished thickness of the micro cement floor is only 3 millimeters, while when applied to the wall, its thickness can be between 0.5 and 1 millimeter, which can create a very beautiful seamless and continuous surface. At the same time, if there are some special shapes, they can also be well fitted.

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The advantage of Microcement

Good Construction Tolerance

Micro cement, as a surface decorative material, has a very strong coverage effect. Therefore, when we are renovating old houses, we can directly use micro cement to cover the surface of tiles or marble, which can greatly shorten the entire construction period and labor costs.

Whether it's for seamless flooring or seamless wall and floor design without baseboards, including integrated wall design for kitchen and bathroom, as well as wet areas and ceilings in bathrooms, they can all be used. Micro cement creates the most exquisite details of life with the most devout attitude, making us stand out in the real life filled with famous products.



Applications

应用场合

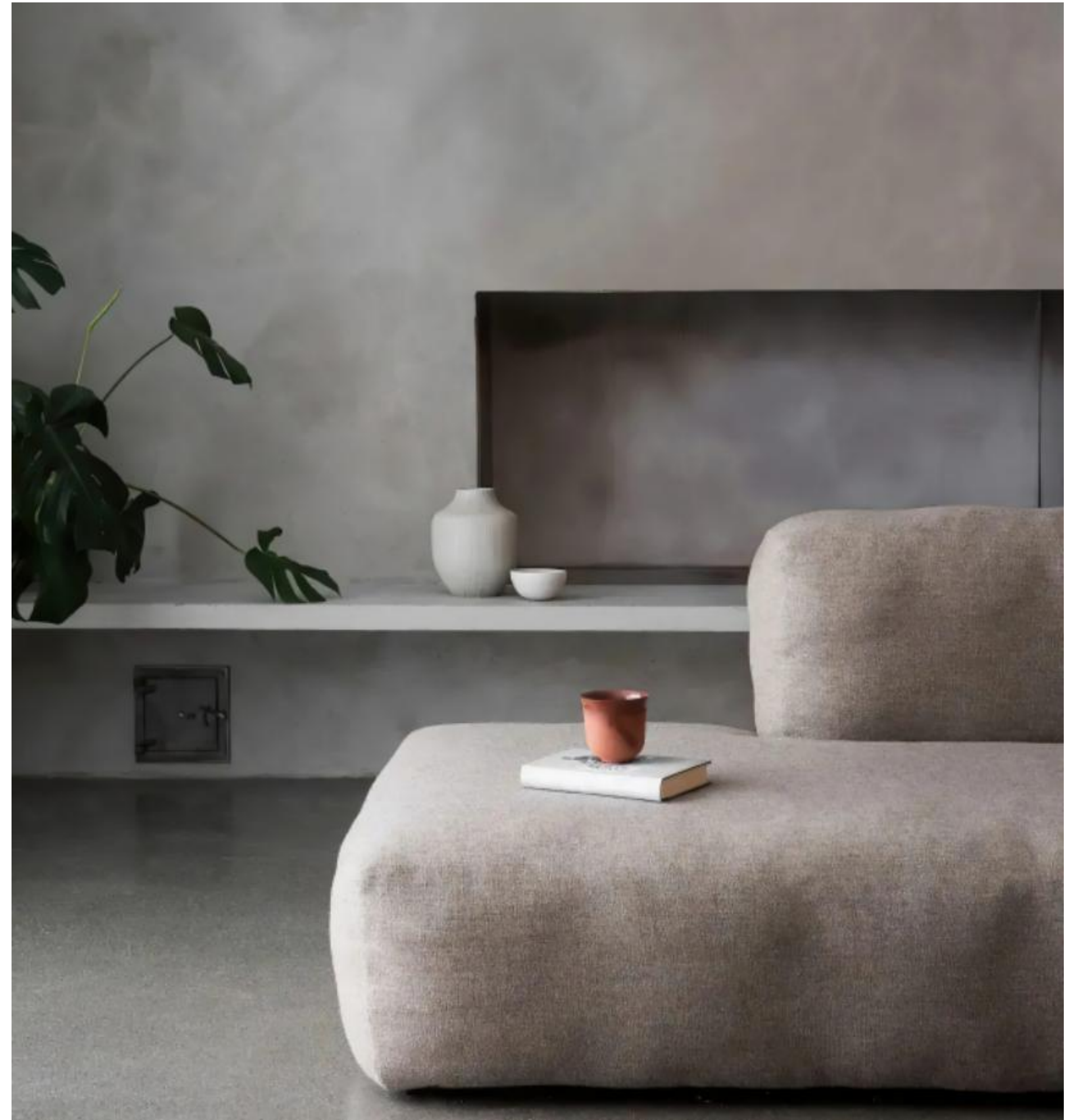
Microcement

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Living Room



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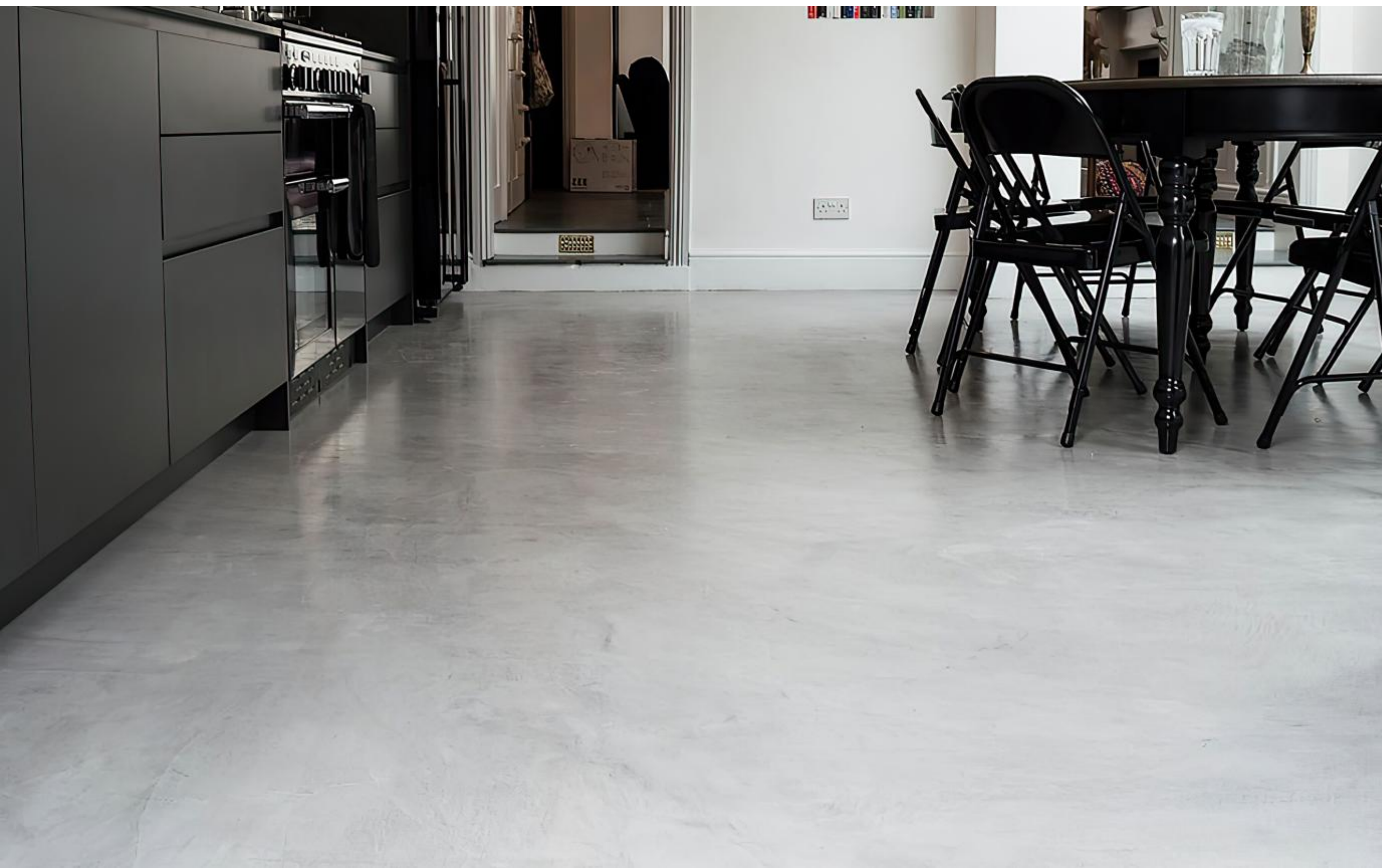
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Microcement



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Restaurant Room



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Restaurant Room

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Bathroom Room

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Bathroom Room

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Bathroom Room



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THANKS

TASSANI Let everyone become a quality life designer.