Resin Floor Stone





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Vanlei Resin Floor Stone is an innovative decorative material that combines natural stone and polymer resin materials. It follows the traditional production concept of Resin Floor Stone, that is, using natural pebbles or gravel that have been screened and cleaned, but what is different from traditional Resin Floor Stone is that it incorporates environmentally friendly Wanlei high-hard resin ingredients on its basis. This composite material uses a special process to tightly bond resin and stone particles together, forming a decorative surface that has the texture of natural stone and is highly stable, waterproof and stain-resistant.

01.*Main Ingredients*

Natural colored stone particles (machine cutting/screening), high hardness emulsion, curing agent

02.*Product Features*

A. Natural stone formula, salt-alkali and high-temperature resistant

B. Good waterproof performance

C. High hardness and adhesion, super wear resistance and scratch resistance

D. High anti-slip performance, C3 certification standard

E. Strong self-cleaning performance, stain-resistant and easy to clean

03. *Scope of application*

✅ Specially designed for dry/wet floor systems. Suitable for industrial buildings, swimming pools, parks, courtyards, runways, commercial spaces, etc.

04. *Complementary system*



✅ Resin Floor Stone



✅ polyurethane resin A



✅ polyurethane resin B



✅ Epoxy primer A



✅ Epoxy curing agent B



✅ (Optional) Harden topcoat A



✅ (Optional) Harden topcoat B

05. *Technical parameters*

Material Properties	Solvent-free （water-based）
Thickness	1-3mm Sand size : 5-8mm 3-5mm Sand size : 12-15mm
Drying time （surface drying）	<2h(25-27°C)
Drying time （hard）	>72h(25-27°C)
Coating layer	1 times
Service life	> 10 years
Paint color	Multicolour > 
Storage	5-35°C， cool， dry
Net Weight	20kg
Package	

	
Package Size	69*35*10cm

✅ ***Reference Dosage*** :

1-3mm Sand size : 10-12kg/㎡， 3-5mm Sand size : 15-17kg/㎡

✅ ***Tools :*** wool roller、finishing trowel





✅ finishing trowel ✅ wool roller

06.*Substrate requirements*

① The base layer should be firm, without cracking, powder loss, sanding, hollowing, peeling, lime bursting points and old coatings with poor adhesion, etc.

② The surface of the base layer should be smooth, the ground flatness deviation should be less than 5mm, and the surface should be flat but not glossy.

③ The base layer should be clean, with no dust, laitance, oil stains, rust spots, mildew spots, salt precipitates, moss and other debris on the surface.

④ Molds and algae must be removed and the base layer should be dry. The moisture content of the base layer should not be greater than 10%; the pH value of the base layer should not be greater than 10.

⑤ Renovation of old walls: Level the base layer, remove loose surface parts, and clean dust, oil, dirt and other impurities before construction.

07.*Construction method*



01.Mix the primer (A:B=4.5kg:0.5kg) and stir evenly, apply the primer once with a roller, and wait for 24 hours to dry.



02.Mix resin A+B components in proportion (0.75g+0.25g), add to 20kg main material, and stir evenly with a high-power stirrer (the use time after AB mixing is within half an hour, and it is strictly forbidden to add water to the product)



03.Scrape and press flat, wait 24 hours for surface curing



04.(Optional) Mix Harden Topcoat in proportion (3kg:1kg) and apply once

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08.*Shelf life*

Resin Floor Stone (main material) shelf life: no expiration date, A&B components (12-month shelf life in a dry state at room temperature)

09.*Implementation Standard*

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

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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.

12.*Technical support*

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



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