Rammed Earth







Rammed Earth

The natural and unique texture, combined with the space environment, can present different levels of texture changes. It can not only satisfy the architectural fashion sense that likes heavy tastes, but also is full of retro style that returns to the basics but is unique. Living in the rammed earth wall is definitely very comfortable. It is cool, and has many comfortable advantages such as heat storage and heat preservation, warm in winter and cool in summer.

01.*Main Ingredients*

Inorganic soil, quartz sand, inorganic pigments and fillers, marble powder

02.*Product Features*

A. Class A fire rating

B. High-strength adhesion

C. Excellent flexibility

D. High weather resistance

E. Sound absorption and noise reduction, ecological and environmental protection

F. Anti-mildew, Antibacterial

03. *Scope of application*

✅ Suitable for interior/exterior walls. Suitable for homestays, specialty hotels, any home environment, commercial space, etc.

04. *Complementary system*







✅ Rammed Earth ✅ Topcoat ✅ Primer

05. *Technical parameters*

Material Properties	Powder coating
Dry film thickness	3-5mm
Drying time （surface drying）	<4h(25-27°C)
Drying time （hard）	>48h(25-27°C)
Coating layer	2 times
Service life	> 10 years
Paint color	Multicolour
Storage	5-35°C， cool， dry
Net Weight	20kg
Package	
Package Size	69X35X10cm

✅ ***Reference Dosage***：fine sand：3kg/㎡（2 coats） medium sand：4.5kg/㎡（2 coats）

base sand：3.5kg/㎡（1 coats） water-wash：8kg/㎡（1 coats）

rope effect：7.5kg/㎡（2 coats）

✅ ***Tools***：finishing trowel，wool roller，polishing tools







✅ finishing trowel ✅ wool roller ✅ polishing tools

06.*Substrate requirements*

① The base layer should be flat, clean, free of oil, hollow, and have good strength before construction

② Renovation of old walls: level the base, remove loose surface parts, clean dust, grease and other impurities before construction

③ The most important step in modern rammed earth wall construction is the foundation construction. After the foundation is completed, the later construction will save labor and time. If the foundation is not well done, the subsequent rammed earth effect will be a castle in the air. Generally speaking, the base layer of rammed earth is the base layer of the building. Simply put, it is putty leveling, alkali resistance and waterproofing.

07.*Construction method*



01.Roll the primer evenly (add about 30% water) 1-2 times



02.Mix the materials evenly according to the ratio (rammed earth: water = 20kg: 3kg)



03.Apply two coats of rammed earth, with at least 4 hours between the two coats



04.Flatten and finish when the surface is dry



05.Scrape out the texture when it is half dry, and then flatten it



06.When it is 80% dry, flatten it and finish it



07.After waiting for 24 hours to dry, sand it with 240-grit sandpaper, remove dust, and apply a coat of topcoat

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

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.

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12. *Technical support*

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

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