

Thermal Insulation, Reflection and Insulation Building Coatings

TASSANI Let everyone become a quality life designer.

01

Hemp Sandstone

02

Pottery crystal
stone

03

5D Stone Paint

04

Sand Lacquer

05

Flexible brushed
relief

Global Temperature Rises



The global temperature is constantly rising, and many cities can reach temperatures as high as 40 degrees Celsius or above in summer. Insulation, reflection, and insulation coatings have become essential for many buildings.

Thermal Insulation

Reflective Coating

What is thermal insulation reflective coating?



Thermal insulation coating refers to a type of coating that has emerged and developed rapidly in recent years, which reflects heat sources, cools down quickly, and has a short engineering time.

Thermal insulation coatings mainly consist of base materials, additives, reflective fillers, and heat reflective pigments.

国家化学建筑材料测试中心

NATIONAL
TEST CENTER
FOR CHEMICAL
BUILDING MATERIALS

中国认可
国际互认
检测
TESTING
CNAS L1049

国家化学建筑材料测试中心

(材料测试部)

检 验 报 告

报告编号: 2020(T)06075

共 2 页 第 2 页

序号	检 验 项 目	技 术 要 求 (高光度 $L^*=96.8$)	检 验 结 果	单 项 判 定	检 验 方 法
1	太阳光反射比	≥ 0.65	0.86	合格	JG/T 235-2014 6.4
2	近红外反射比	≥ 0.80	0.85	合格	JG/T 235-2014 6.4

(以 下 空 白)

主检: 张净 陈锋

Above Industrial Detection Standards

The composition of solar radiation energy is mainly composed of visible light accounting for 50%, infrared light accounting for 43%, and ultraviolet and other light accounting for 7%.

TASSANI thermal insulation reflective architectural coating achieves thermal conductivity by reflecting infrared, visible, and ultraviolet rays

The thermal insulation and cooling effect, as well as the effective reflection detection results, are all higher than the national chemical building material testing standards.

86%

The solar reflectance of TASSANI building coatings is 86%, higher than the national testing standard of 65%.

85%

TASSANI building coatings have a far-infrared reflectance of 85%, which is higher than the national testing standard of 80%.





Effective Reflection of Solar Radiation Energy

TASSANI Reflective Thermal Insulation Architectural Coatings
Through high reflective materials
(ceramic microspheres, metal oxides, etc.)
Effective reflection and radiation of solar radiation energy

30%

Under outdoor sunlight, the temperature of the irradiated surface can be reduced by more than 30%;

20°C

The maximum decrease in surface temperature of the painted object can reach over 20 °C;

5°C

The temperature of the space inside an object can drop by more than 5 °C.

Advantage

Advantages of TASSANI Thermal Insulation Reflective Insulation Building Coatings

Integrating high-efficiency, thin-layer, thermal insulation, decoration, waterproofing, fire prevention, anti-corrosion, insulation and other characteristics.

Thermal Insulation

Waterproof and Anti-corrosion

Efficient Construction

Natural Environmental Protection

Strong Decorative Properties

TASSANI as a pioneer in natural inorganic mineral coatings

Outstanding Master of Mineral Coatings Manufacturing

Focusing on providing natural and environmentally friendly exterior/interior wall coatings

Hemp Sandstone

麻砂石

Product Description:

Hemp Sandstone spots and colorful dots, cleverly surpassing natural materials, create a warm and moist water with a decorative effect

Simple and textured, showcasing an elegant and dignified villa architecture.

The texture hierarchy of each part of the yarn is realistic, and the imitation effect is perfect, which is a combination of human intelligence

Natural beauty treasures.

Its process efficiency is higher than that of real paint, with richer colors, making it the best solution for building exterior walls



Hemp Sandstone

Hemp Sandstone Product Features

- It is made of natural colored sand crushed particles, silicone acrylic lotion, flexible resin, special additives, etc;
- Excellent imitation effect, long-lasting weather resistance, good water retention, and good crack resistance;
- The application amount is low, only 1/3 of the real paint, and the weight is easy to apply;
- 90 degree non cracking, can be sprayed freely on cylinders, arcs, various shapes, and special shapes.



Hemp Sandstone

Hemp Sandstone Product Application

Applicable to residence, villa, hotel, homestays, etc., suitable for large area of external wall surface.



Hemp Sandstone

麻砂石

Construction Precautions

Coating Area: 1kg/square meter;

Surface Dry Time: ≤ 4 hours;

Core Dry Time: 1-2 days;

Dilution Ratio: Water to water ratio is 0-5%, please stir evenly when using;

Construction Conditions: The construction temperature shall not be lower than 5 °C, the moisture content of the construction substrate shall be less than 10%, and the humidity shall be less than 85%;

Construction Tools: scraper, hand sanding board, sandpaper, spraying machine, etc;

Construction Methods: mainly spray painting and other methods;

Craft Effect: Spray marble like effect.

During construction, air circulation should be maintained, and coatings should be kept away from direct sunlight and heat sources;

To avoid contact with the skin or excessive inhalation of paint mist into the eyes, please use appropriate protective equipment;

If it gets into the eyes, immediately rinse with plenty of water and seek medical treatment;

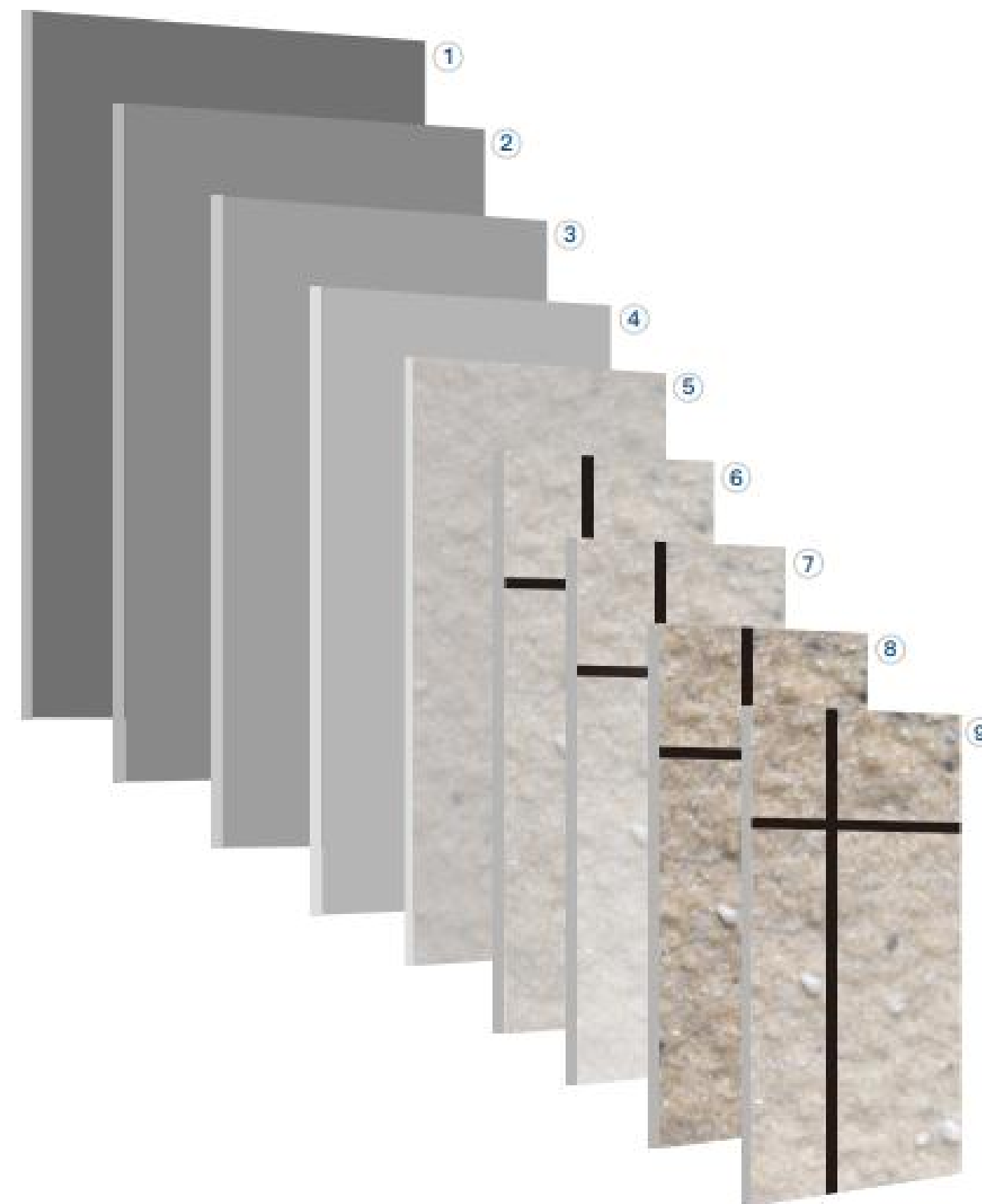
Keep out of reach of children.

Safety and Other Precautions



Hemp Sandstone

Hemp Sandstone Construction Process Flow



Hemp Sandstone Construction Process Flow

Step 1: Mix the hemp sand stone paint evenly.

Step 2: Basic wall treatment should be smooth and clean.

Step 3: Batch scraping of waterproof and crack resistant mortar

Step 4: Batch scraping of exterior wall waterproof putty.

Step 5: Spray hemp sand and gravel primer.

Step 6: Sewing and dividing processing.

Step 7: Painting and coloring, intermediate painting.

Step 8: Spray the main material of hemp sand and stone.

Step 9: Apply anti fouling and dust cover surface.

Pottery crystal stone

陶晶石

Product Description:

Flowing and crushing, calcining at high temperature. Tao Jingzi's unique combination and techniques stand out, with a granular textured texture and a natural and realistic water color that perfectly replaces materials, giving it a return to nature effect. Tao Jing has excellent heat resistance and freeze-thaw resistance, with a lightweight and comfortable touch that does not impose too much burden on the walls. It is suitable for a wide range of areas and should give a sense of elegance, harmony, and solemnity to buildings.



Pottery crystal stone

Pottery Crystal Stone Product Characteristics

- It is made of calcined colored sand particles, acrylic acid lotion, additives, etc;
- The surface is compact, the interior is flexible, has strong crack resistance and weather resistance, and is brightly colored.



Pottery crystal stone

Pottery Crystal Stone Product Applications

Applicable to in high-end residential buildings, rural villas, hotels, guesthouses, office buildings, etc.; Suitable for use on internal and external walls.



Pottery crystal stone

Construction Precautions

Coating Area: 2-2.5kg/m²;

Surface Dry Time: ≤ 4 hours;

Core Surface Dry Time: 1-2 days;

Dilution Ratio: Water to water ratio is 0-5%, please stir evenly when using;

Construction Conditions: The construction temperature shall not be lower than 5 °C, and the moisture content of the construction substrate shall be less than 10%, humidity less than 85%;

Construction Tools: scraper, spraying machine, etc;

Craft Effect: Delicate craftsmanship and high flatness effect.

During construction, air circulation should be maintained, and coatings should be kept away from direct sunlight and heat sources;

To avoid contact with the skin or excessive inhalation of paint mist into the eyes, please use appropriate protective equipment;

If it gets into the eyes, immediately rinse with plenty of water and seek medical treatment;

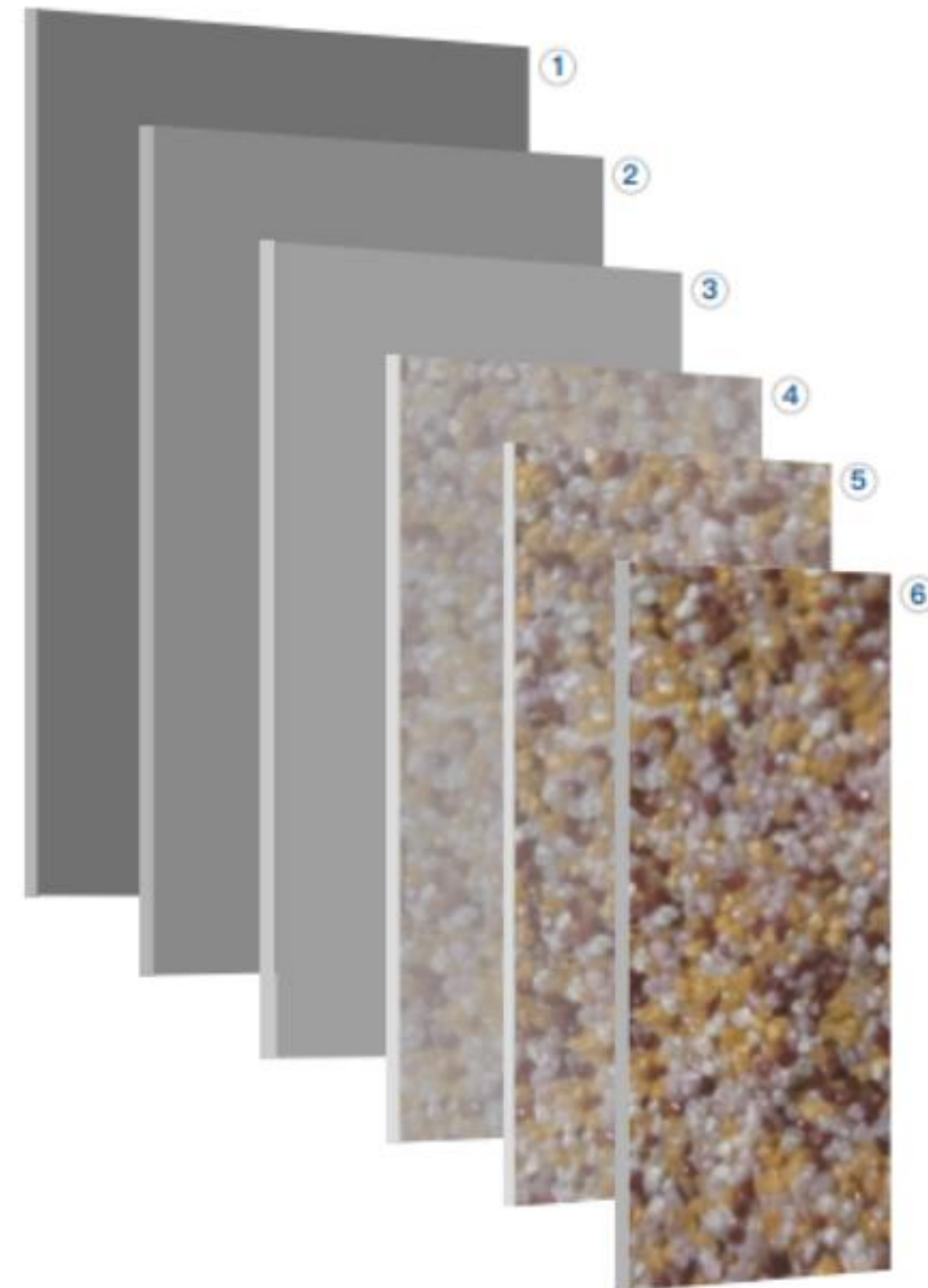
Keep out of reach of children.

Safety and Other Precautions



Pottery crystal stone

Pottery Crystal Stone Construction Process



Pottery Crystal Stone Construction Process

Step 1: Mix the ceramic crystal stone paint evenly.

Step 2: Level the foundation wall surface.

Step 3: Apply the primer of ceramic crystal stone paint.

Step 4: Evenly scrape the main paint of the ceramic crystal stone.

Step 5: After the first coating dries, proceed with the second coating.

Step 6: Apply anti fouling and dust cover surface.

5D Stone Paint

5D石感漆

Product Description:

5D simulation is natural. The 5D texture paint resembles a granite surface, with scattered and fragmented textures highlighting a strong material texture, allowing natural architecture to blend with the texture paint on it, creating an elegant yet fashionable wall decoration effect. The 5D texture is clear, as deep as a carving, suitable for various buildings, with excellent weather resistance, non fading, non cracking, and can maintain a long service life.



5D Stone Paint

5D Stone Paint Product Characteristics

- It is made of modified acrylic lotion, colorful colloidal particles, various additives, etc;
- Imitation realistic, good safety, anti fouling, dynamic crack resistance, weather resistance and durability.



5D Stone Paint

5D Stone Paint Product Applications

Applicable to residential, public buildings, renovation of old buildings, landscaping, architectural decoration, etc., suitable for exterior walls.



5D Stone Paint

5D石感漆

Construction Precautions

Coating Area: 1.0-1.2kg/m²;

Surface Dry Time: ≤ 4 hours;

Core Surface Dry Time: 1-2 days;

Dilution Ratio: Water to water ratio is 0-5%, please stir evenly when using;

Construction Conditions: The construction temperature shall not be lower than 5 °C, and the moisture content of the construction substrate shall be less than 10%, humidity less than 85%;

Construction Tools: spraying machine;

Construction Methods: mainly spray painting and other methods;

Craft Effect: Imitation granite effect.

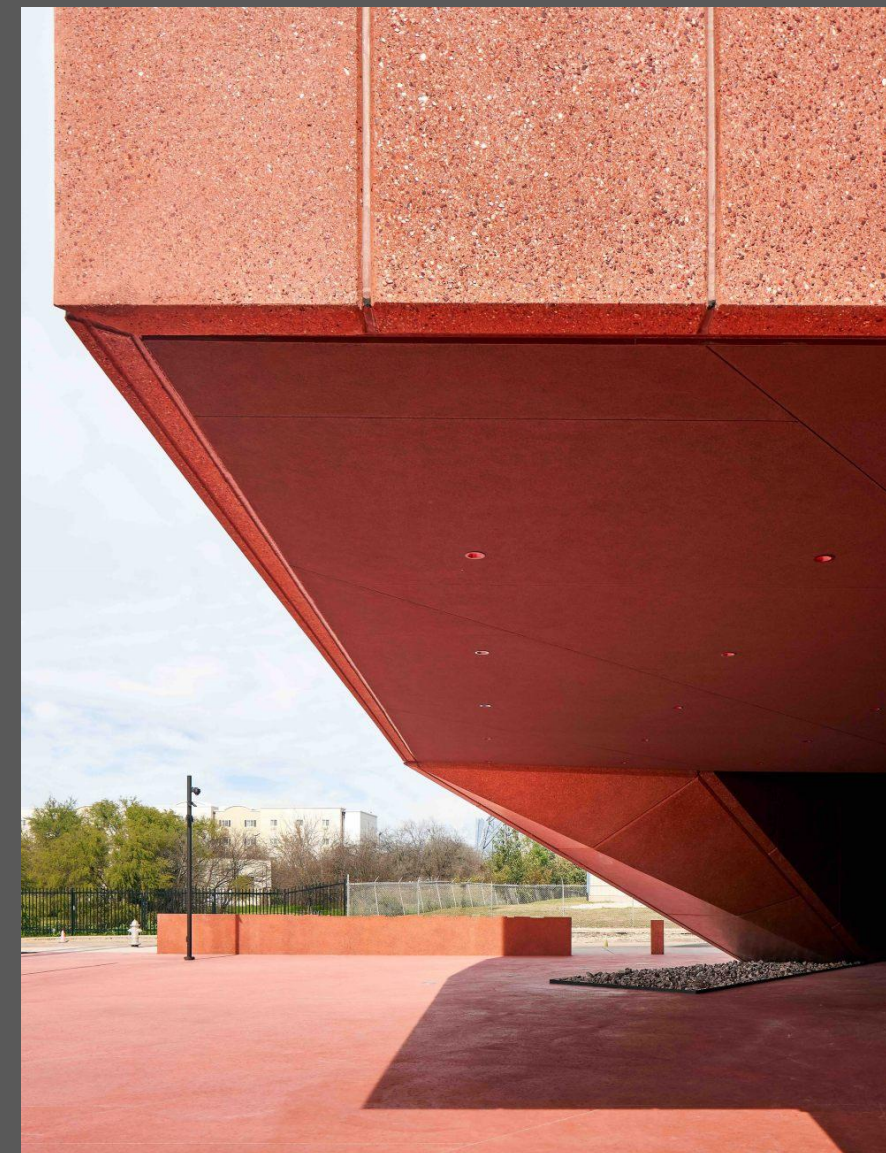
During construction, air circulation should be maintained, and coatings should be kept away from direct sunlight and heat sources;

To avoid contact with the skin or excessive inhalation of paint mist into the eyes, please use appropriate protective equipment;

If it gets into the eyes, immediately rinse with plenty of water and seek medical treatment;

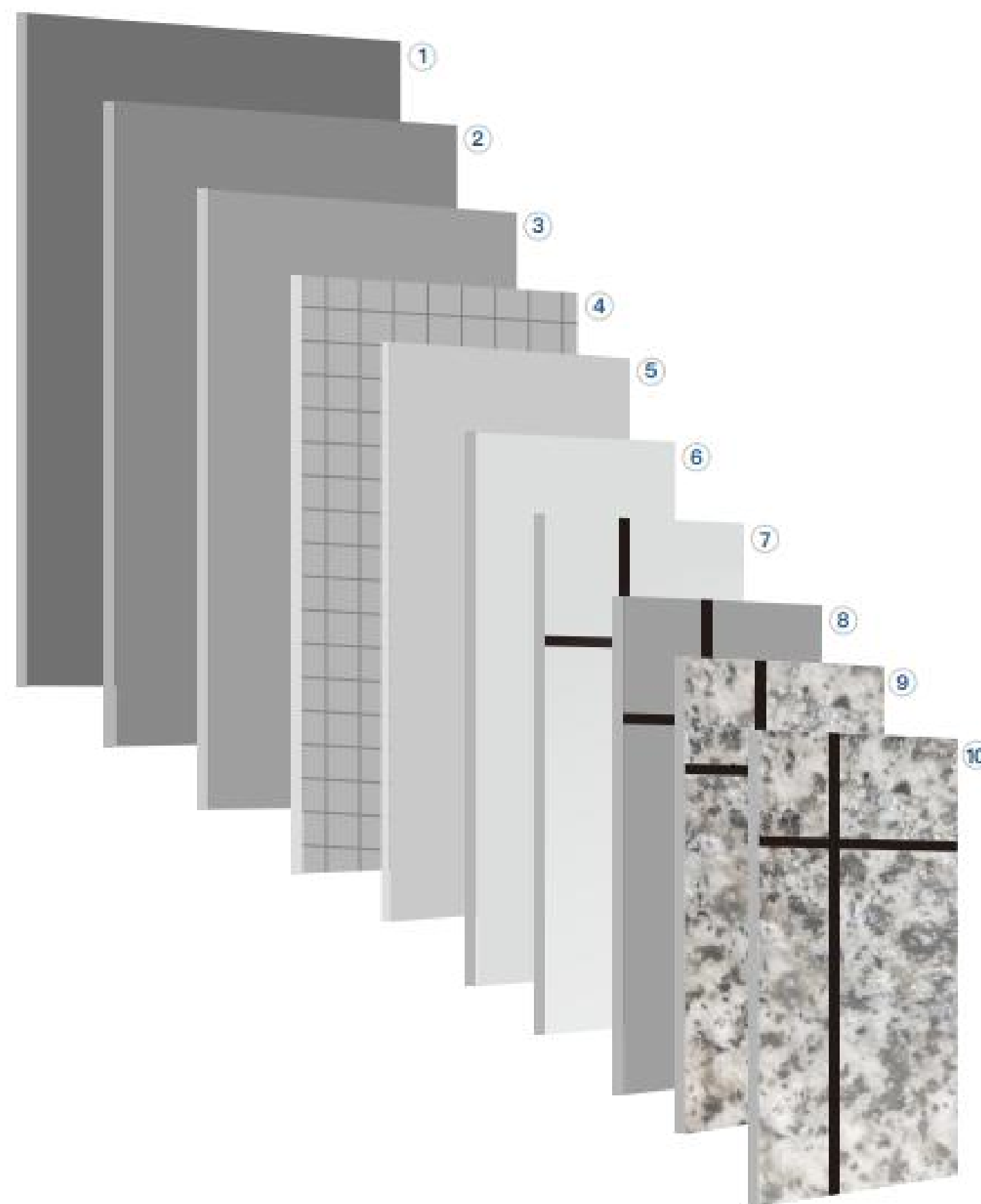
Keep out of reach of children.

Safety and Other Precautions



5D Stone Paint

5D Stone Paint Construction Process Flow



5D Stone Paint Construction Process Flow

- Step 1:** Mix the 5D stone paint evenly.
- Step 2:** Basic wall treatment should be smooth and clean.
- Step 3:** Batch scraping of special crack resistant mortar for exterior walls.
- Step 4:** Hang fiberglass mesh.
- Step 5:** Apply special putty for exterior walls in batches.
- Step 6:** Transparent bottom sealing alkali resistant primer.
- Step 7:** Sewing and dividing.
- Step 8:** Coating in the plane.
- Step 9:** 5D Stone Paint Main Material
- Step 10:** Apply anti fouling and dust cover surface.

Sand Lacquer

砂胶漆

Product Description:

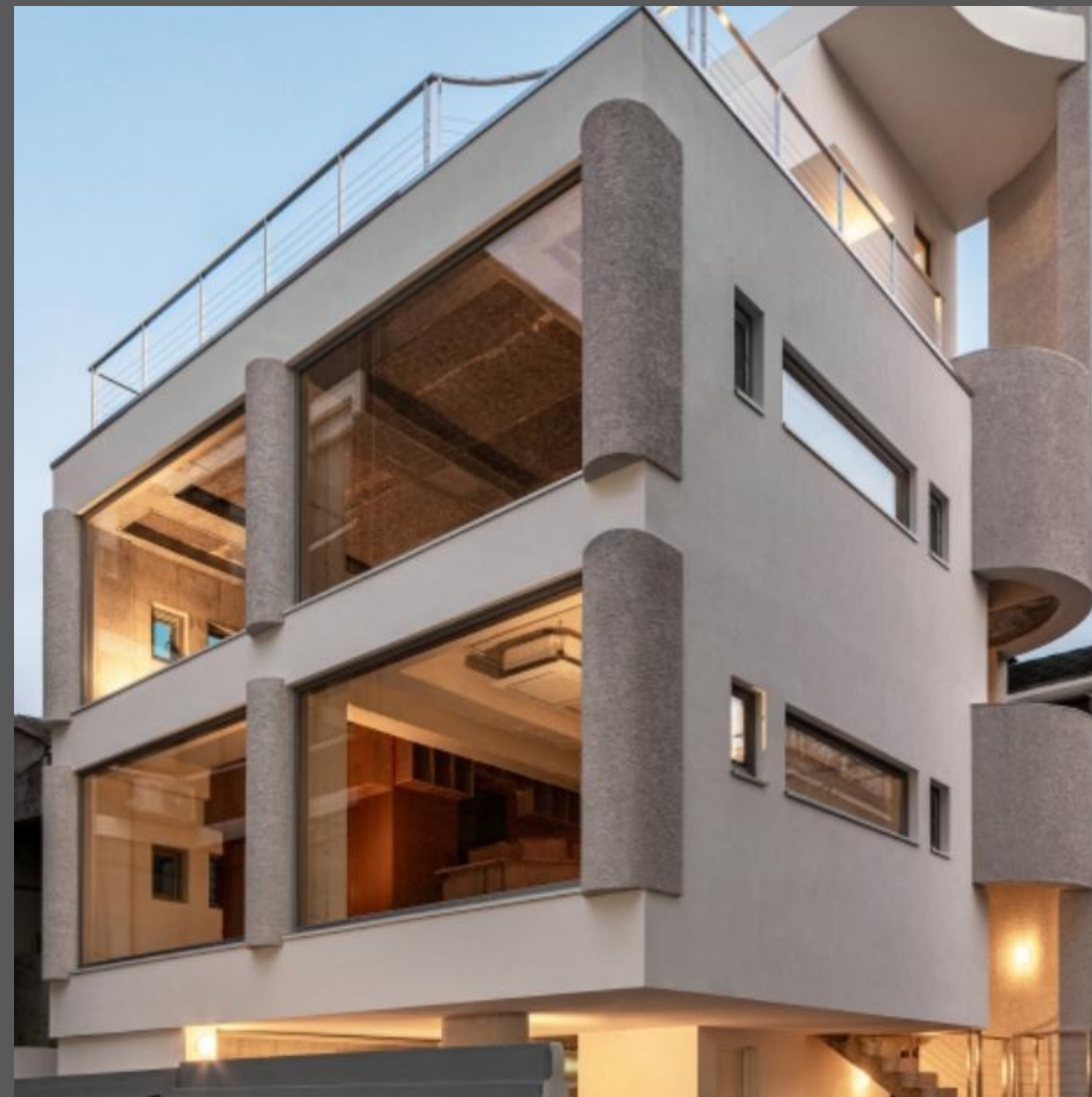
The imitation matte effect of sand lacquer is simple and level two, inspired by textured sand, which is different from textured sand. The sand glue paint has a slight unevenness and smooth texture, with a relaxed and moderate outline, bringing a natural and simple, elegant and dignified wall decoration effect to the building. Sand adhesive paint can resist changes in different weather conditions and has strong creativity. It is not limited by the complex shapes of building surfaces in painting, and has excellent water resistance and cleaning functions.



Sand Lacquer

Sand Lacquer Product Characteristics

- It is made of full body sand glue, acrylic acid lotion, fine pigments and additives;
- Strong weather resistance, strong adhesion, strong cleaning function, good water resistance, and easy to cover.



Sand Lacquer

Sand Lacquer Product Applications

Applicable to exterior walls of large buildings such as residential buildings, hotels, villas, resorts, office buildings, schools, etc.



Sand Lacquer

Construction Precautions

Coating Area: 2.0-3.5 kg/square meter;

Surface Dry Time: ≤ 4 hours;

Core Surface Dry Time: 1-2 days;

Dilution Ratio: No need for dilution;

Construction Conditions: The construction temperature shall not be lower than 5 °C, and the moisture content of the construction substrate shall be less than 10%, humidity less than 85%;

Construction Tools: scraper, wool brush, spraying machine, etc;

Construction Methods: mainly batch coating and spraying;

During construction, air circulation should be maintained, and coatings should be kept away from direct sunlight and heat sources;

To avoid contact with the skin or excessive inhalation of paint mist into the eyes, please use appropriate protective equipment;

If it gets into the eyes, immediately rinse with plenty of water and seek medical treatment;

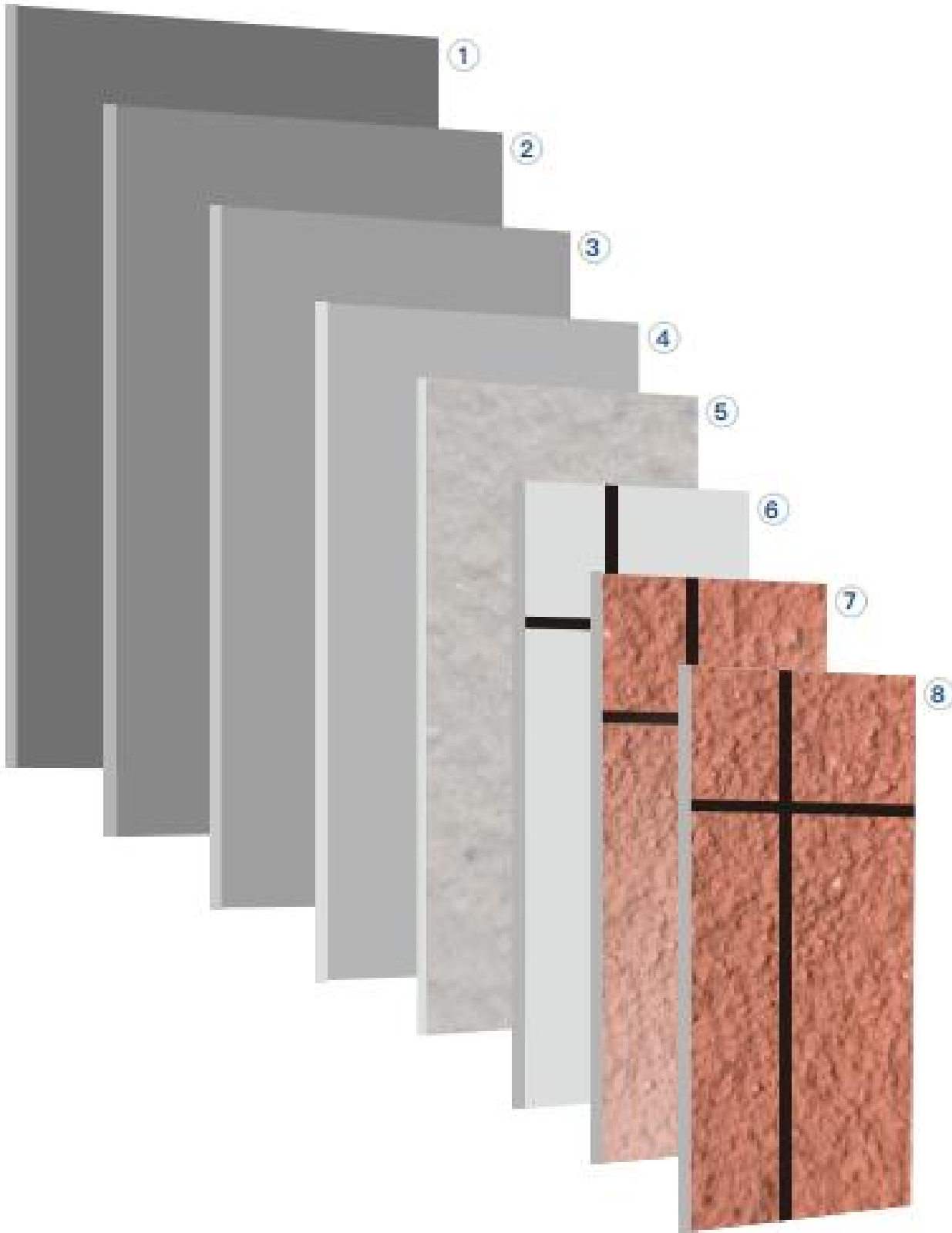
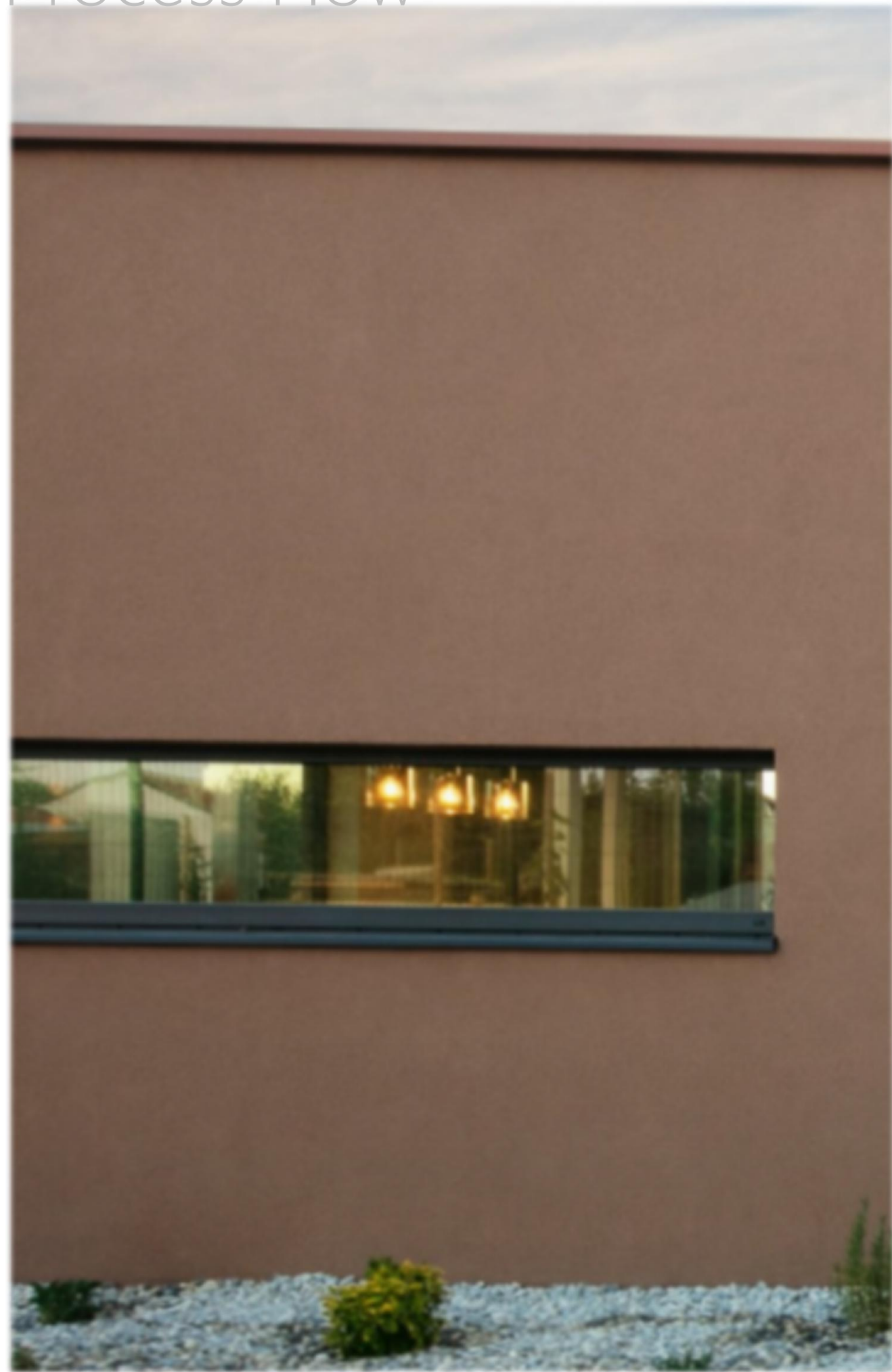
Keep out of reach of children.

Safety and Other Precautions



Sand Lacquer

Sand Lacquer Construction Process Flow



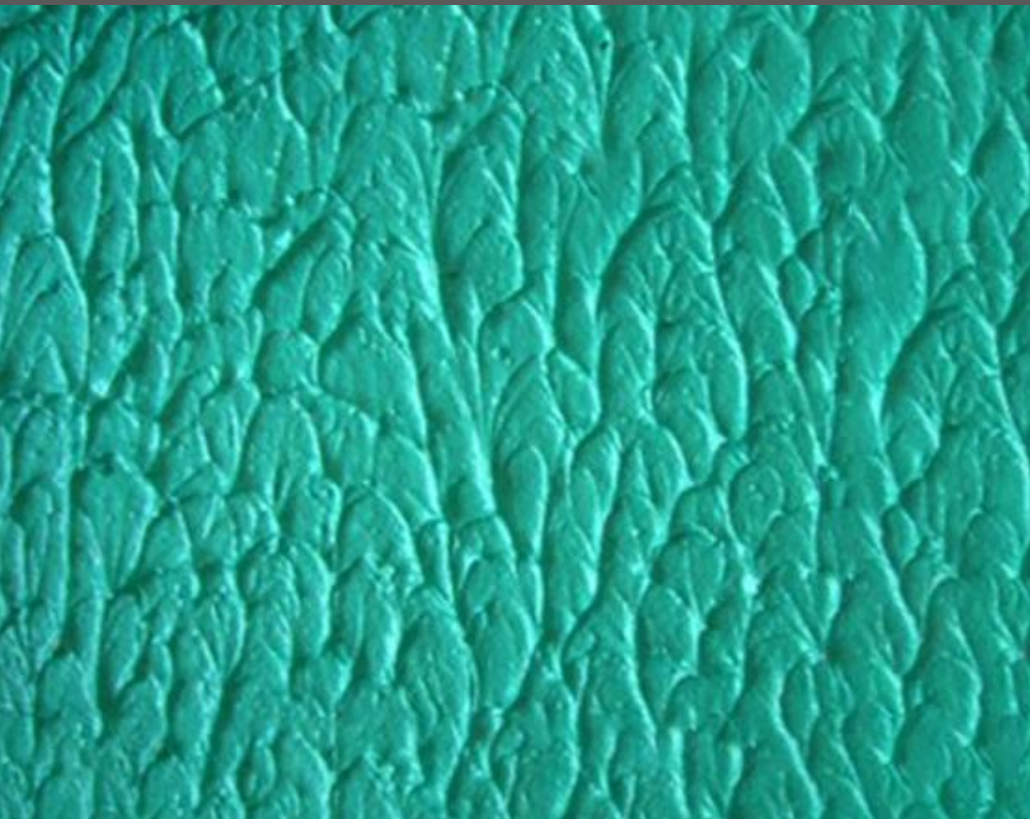
Sand Lacquer Construction Process Flow

- Step 1:** Mix the sand lacquer evenly.
- Step 2:** Level the basic wall surface and apply putty.
- Step 3:** After polishing, cure with putty.
- Step 4:** Roll apply sealing primer.
- Step 5:** Roll coating the bottom color of the brick joints.
- Step 6:** Sewing and dividing processing.
- Step 7:** Batch scraping of sand adhesive paint.
- Step 8:** Apply anti fouling and dust cover surface.

Elastic Brushing, Relief System

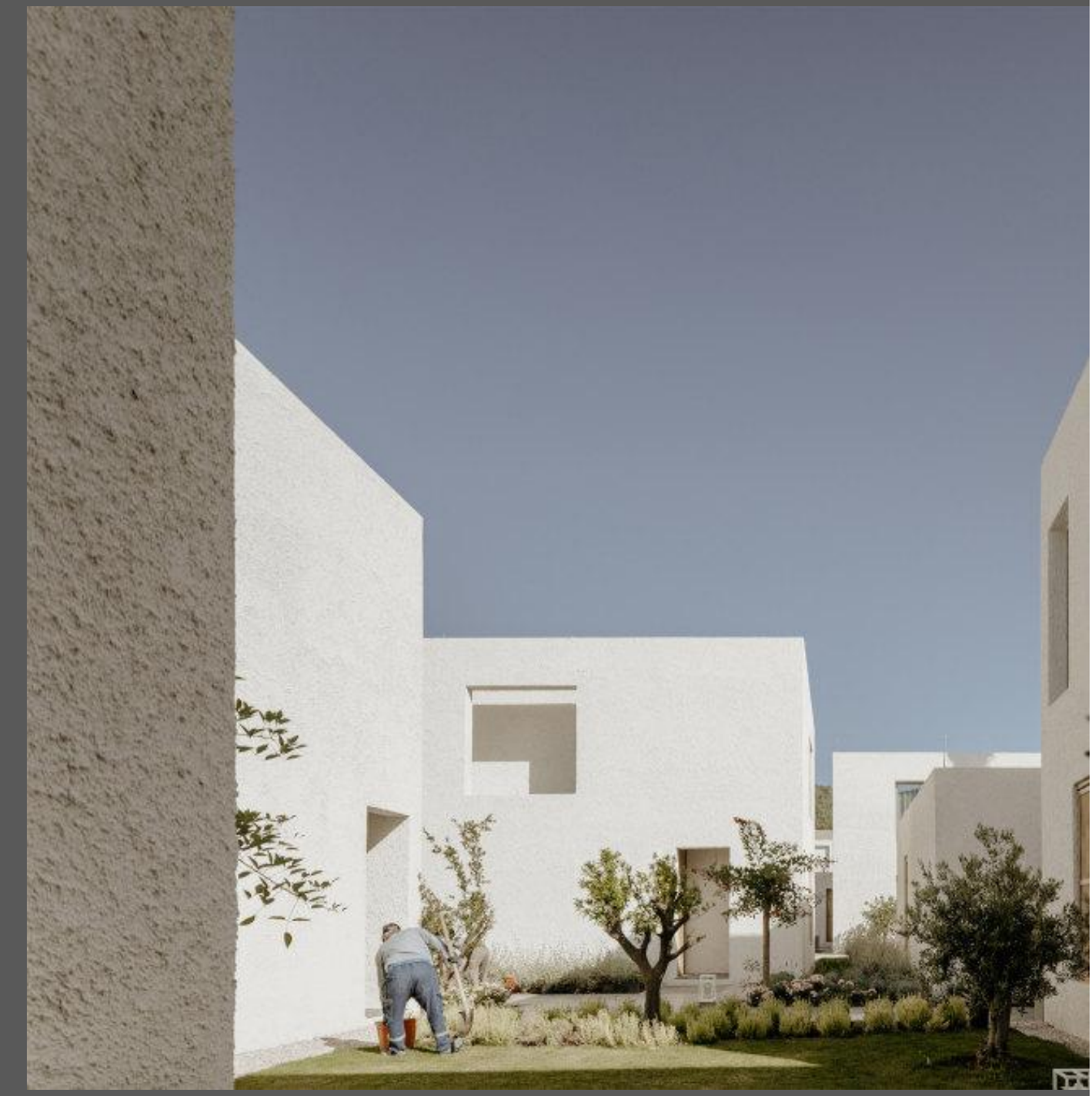
Product Description:

Gentle and elastic. Multi functional elastic brushed relief is a three-dimensional thick paste that can change its shape freely, and can produce different effects such as pointed, full round, and orange peel patterns. The uneven three-dimensional relief texture has a unique style and is not limited by any size.



Elastic Brushing, Relief System Product Characteristics

- It is refined from elastic acrylic copolymer, silicone acrylic lotion, imported additives, etc;
- Strong elasticity, strong texture, crack resistance, strong weather resistance, strong adhesion, and good water resistance.



Elastic Brushing, Relief System Product Applications

Commonly used for exterior wall decoration of hotels,
homestays, cafes, milk tea shops, clothing stores, villas, etc.



TASSANI
MADE IN ITALY 1918



Elastic Brushing, Relief System

Construction Precautions

Coating Area: 0.8-1.5kg/square meter;

Surface Dry Time: ≤ 4 hours;

Core Surface Dry Time: 1-2 days;

Dilution Ratio: No need for dilution;

Construction Conditions: The construction temperature shall not be lower than 5 °C, and the moisture content of the construction substrate shall be less than 10%, humidity less than 85%;

Construction Tools: elastic Brushing rollers, relief spray guns, batch knives, scraping combs, etc;

Construction Methods: mainly roller coating, spraying, and batch coating;

Craft Effect: It can have tree patterns, orange peel patterns, full circles, and other textures.

During construction, air circulation should be maintained, and coatings should be kept away from direct sunlight and heat sources;

To avoid contact with the skin or excessive inhalation of paint mist into the eyes, please use appropriate protective equipment;

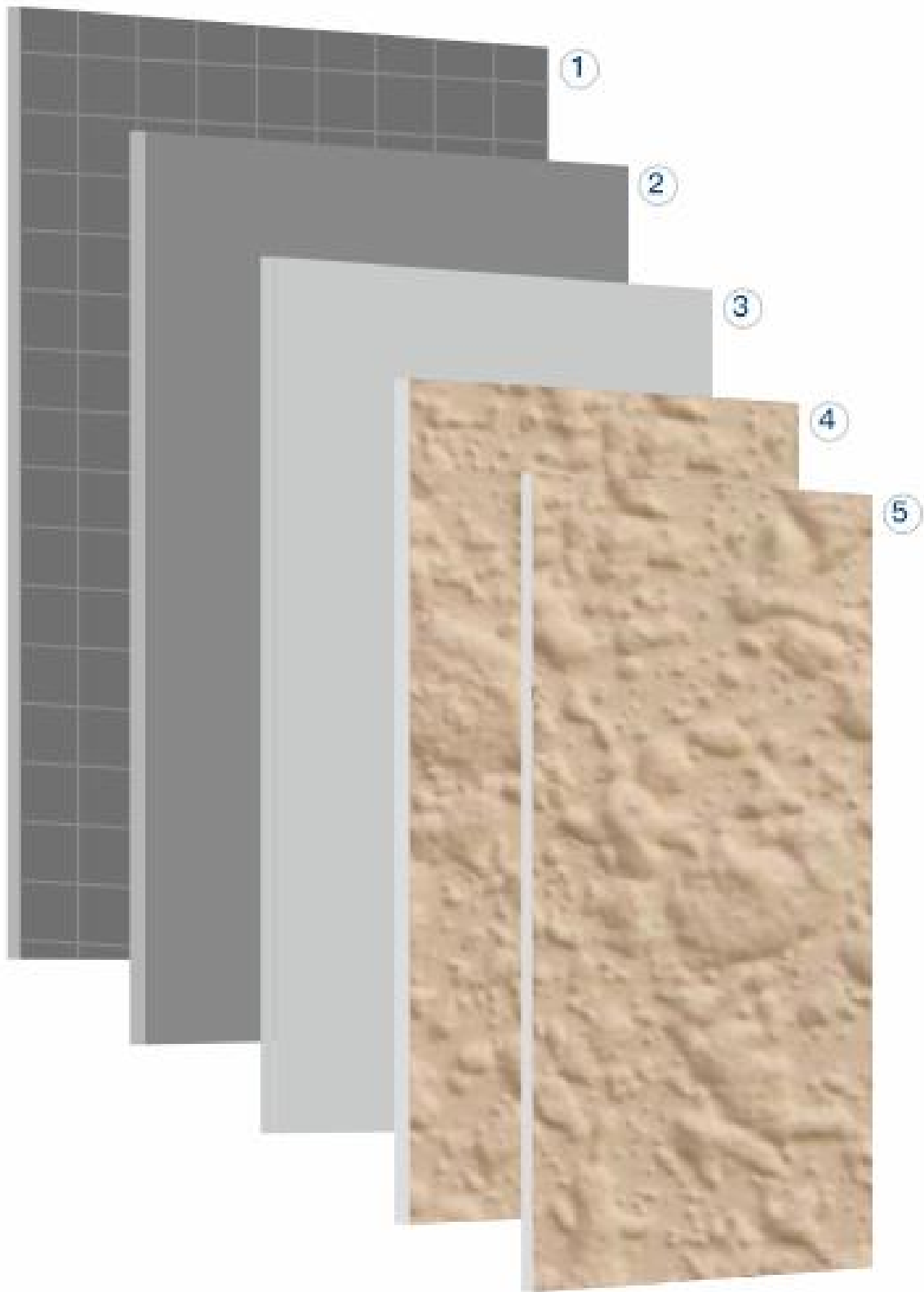
If it gets into the eyes, immediately rinse with plenty of water and seek medical treatment;

Keep out of reach of children.

Safety and Other Precautions



Elastic Brushing, Relief System Contruction Process Flow



Brushing Contruction Process Flow

- Step 1:** Hang a mesh and level it with crack resistant mortar once.
- Step 2:** Apply two layers of elastic putty to the exterior wall.
- Step 3:** Apply one coat of primer.
- Step 4:** Apply one layer of elastic intermediate coating.
- Step 5:** Elastic cover 1-2 times.

Brushing Construction Process Flow

- Step 1:** Hang a mesh and level it with crack resistant mortar once.
- Step 2:** Apply two layers of elastic putty to the exterior wall.
- Step 3:** Apply one coat of primer.
- Step 4:** Relief design 1-2 times
- Step 5:** Elastic cover 1-2 times.

THANKS

Thermal Insulation, Reflection and Insulation Building Coatings

TASSANI Let everyone become a quality life designer.