



Ranked First in
Preferred Choice Rate
(2020-2023)

China Real Estate Industry Chain Strategic
Integrity Supplier
Top Brand Preference Rate in Building
Coatings Sector for Property Developers



Ranked First in
Preferred Choice Rate
(2020-2023)

China's Top Preferred Supplier for Green Build-
ing Coatings Category
Ranked First in Building Coatings



Preferred Supplier
(2020-2023)

Top Preferred Suppliers among the Top 500
Comprehensive Strength Enterprises in the Real
Estate Construction Supply Chain
Preferred Supplier



3TREES WeChat
Official Account



3TREES Engineering
WeChat Official Account

SKSHU Paint Co., Ltd.

Manufacturer: SKSHU Paint Co., Ltd. (Manufacturer Code: 1)
Address: No.518, Liyuan North Avenue, Licheng District, Putian City,
Fujian Province
Manufacturer: Tianjin SKSHU Paint Co., Ltd. (Manufacturer Code: 2)
Address: No. 17, Yongbao Road, Shuangkou Town, Beichen District,
Tianjin
Manufacturer: Henan SKSHU Paint Co., Ltd. (Manufacturer Code: 3)
Address: Industrial Agglomeration Zone, Nanzhao County, Nanyang City,
Henan Province
Manufacturer: Sichuan SKSHU Paint Co., Ltd. (Manufacturer Code: 5)
Address: No. 35 Yangheng Fourth Road, Yang'an Industrial Park, Qionglai
City, Sichuan Province

Manufacturer: Anhui SKSHU Paint Co., Ltd. (Manufacturer Code: 6)
Address: No.1, Jingsi Road, Chemical Industry Concentration Zone, Mingguang
City, Anhui Province
Manufacturer: Hebei SKSHU Paint Co., Ltd. (Manufacturer Code: 7)
Address: East Zone of Boye County Economic Development Zone, Baoding City,
Hebei Province
Manufacturer: Hubei SKSHU New Materials Technology Co., Ltd.
(Manufacturer Code: 8)
Address: No.1, Hushan Avenue, Dongcheng Industrial Park, Dongmafang
Subdistrict, Yingcheng City, Xiaogan City, Hubei Province
Manufacturer: Fujian SKSHU New Materials Co., Ltd. (Manufacturer Code: 9)
Address: No. 200, Biankeng, Banwei Village, Yuetang Town, Xiuyu District, Putian
City, Fujian Province

Other Commissioned Manufacturers
as Indicated on Label

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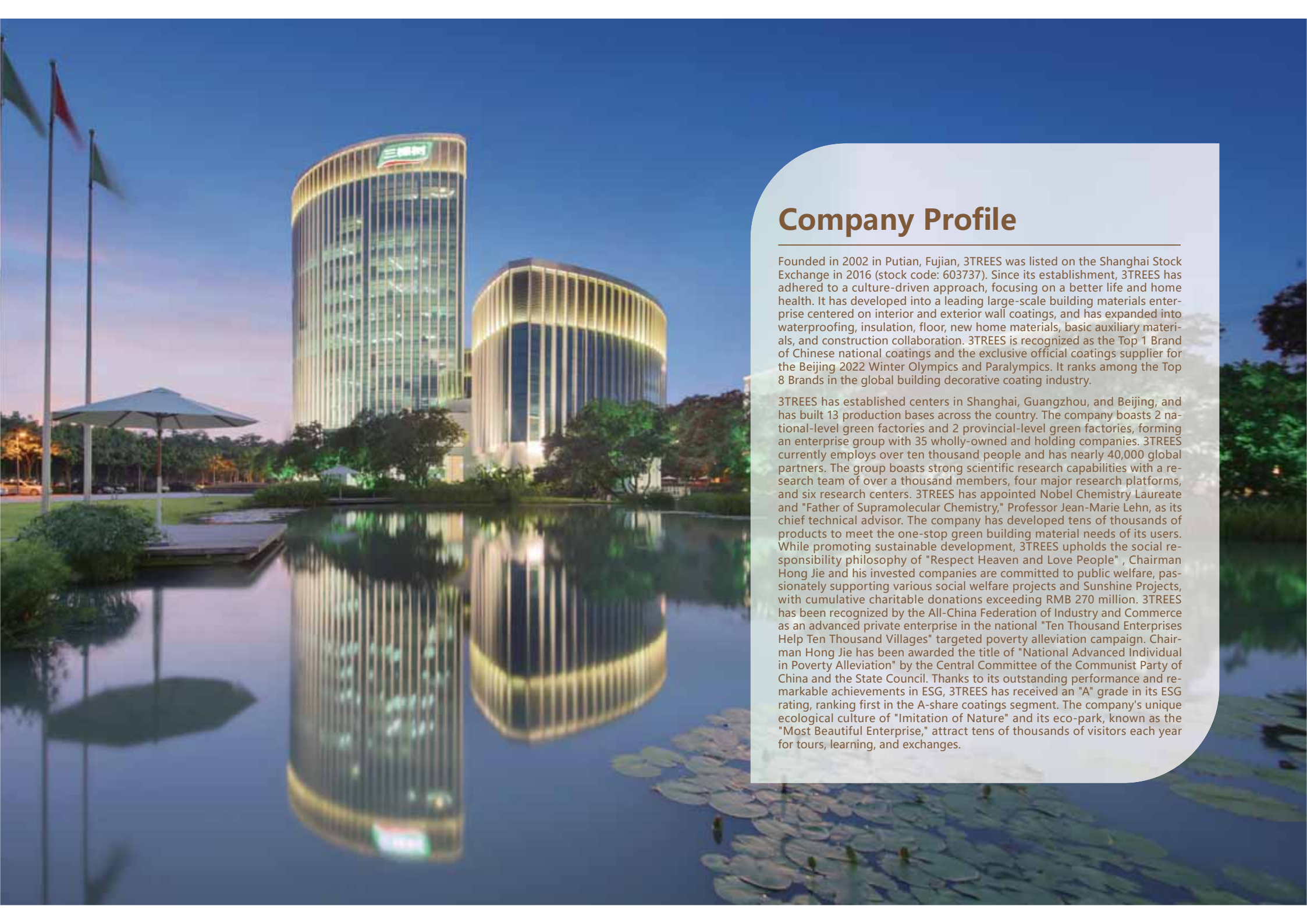
3TREES

Exclusive Official Coatings Supplier for
the Chinese Olympic Committee

3TREES Seven-in-One High-Tech Product Manual

2024 Version 03

3TREES SEVEN-IN-ONE HIGH-TECH PRODUCT MANUAL



Company Profile

Founded in 2002 in Putian, Fujian, 3TREES was listed on the Shanghai Stock Exchange in 2016 (stock code: 603737). Since its establishment, 3TREES has adhered to a culture-driven approach, focusing on a better life and home health. It has developed into a leading large-scale building materials enterprise centered on interior and exterior wall coatings, and has expanded into waterproofing, insulation, floor, new home materials, basic auxiliary materials, and construction collaboration. 3TREES is recognized as the Top 1 Brand of Chinese national coatings and the exclusive official coatings supplier for the Beijing 2022 Winter Olympics and Paralympics. It ranks among the Top 8 Brands in the global building decorative coating industry.

3TREES has established centers in Shanghai, Guangzhou, and Beijing, and has built 13 production bases across the country. The company boasts 2 national-level green factories and 2 provincial-level green factories, forming an enterprise group with 35 wholly-owned and holding companies. 3TREES currently employs over ten thousand people and has nearly 40,000 global partners. The group boasts strong scientific research capabilities with a research team of over a thousand members, four major research platforms, and six research centers. 3TREES has appointed Nobel Chemistry Laureate and "Father of Supramolecular Chemistry," Professor Jean-Marie Lehn, as its chief technical advisor. The company has developed tens of thousands of products to meet the one-stop green building material needs of its users. While promoting sustainable development, 3TREES upholds the social responsibility philosophy of "Respect Heaven and Love People". Chairman Hong Jie and his invested companies are committed to public welfare, passionately supporting various social welfare projects and Sunshine Projects, with cumulative charitable donations exceeding RMB 270 million. 3TREES has been recognized by the All-China Federation of Industry and Commerce as an advanced private enterprise in the national "Ten Thousand Enterprises Help Ten Thousand Villages" targeted poverty alleviation campaign. Chairman Hong Jie has been awarded the title of "National Advanced Individual in Poverty Alleviation" by the Central Committee of the Communist Party of China and the State Council. Thanks to its outstanding performance and remarkable achievements in ESG, 3TREES has received an "A" grade in its ESG rating, ranking first in the A-share coatings segment. The company's unique ecological culture of "Imitation of Nature" and its eco-park, known as the "Most Beautiful Enterprise," attract tens of thousands of visitors each year for tours, learning, and exchanges.

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1-SUMMARY

3TREES always focus on wonderful life and healthy home atmosphere.

3TREES is dedicated to creating a one-stop integrated system for green building materials in the engineering field, encompassing interior and exterior wall coatings, waterproofing, insulation, industrial coatings, floor, new home materials, basic auxiliary materials, and construction services. This initiative aims to drive a revolution in the building materials industry.



3TREES Engineering Carbon Footprint Building Materials Matrix

3TREES Engineering actively responds to the national "Dual Carbon" strategy and fulfills its mission of green transformation. In products such as interior and exterior wall coatings, waterproof coatings, floor, and putty, 3TREES strictly adheres to environmental concepts and has successfully obtained carbon footprint certifications for relevant products. This has led to the development of a green building materials matrix, achieving harmonious development between building materials and environmental sustainability.

Water-Based Textured Coating (for Exterior Walls)



Water-based Flat Coating (for Exterior Wall)



Water-based Flat Coating (for Interior Wall)



Water-Based Putty (for Exterior Walls)



Water-Based Waterproof Coating



Water-Based Putty (for Interior Walls)



Resin Floor Materials



PART.2

EXTERIOR WALL HIGH-TECH



01 | Granite Stone Paint Series

The 3TREES Granite Stone Paint Series utilizes micro-encapsulation granulation technology, encapsulating various color particles to form a stable two-phase system consisting of uniformly dispersed and continuous phases. These advanced exterior wall coating materials employ super weather-resistant modified acrylic emulsion as the film-forming substance. The product features unique textures and colors reminiscent of dry-hung stone, with lightweight, safe coatings that offer elasticity to resist cracking, long-lasting weather resistance, durability over an extended period, and customizable color options. It is suitable for decorative and protective applications on exterior walls of a variety of residential buildings, hotels, villas, shopping malls, office buildings, and other architectural structures.

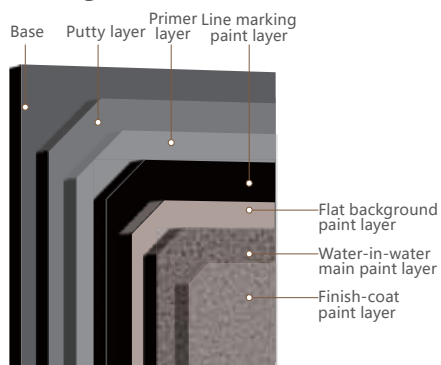
1.1 Granite Stone Paint Flat Water-in-Water System

The Granite Stone Paint flat water-in-water system consists of the primer, flat background paint, water-in-water main paint, and finish-coat paint, all of which combine to emulate the appearance of the glossy granite-like stone.

System Features:

- ◆ It mimics the look of polished granite in a dry-hung setup, achieving a sophisticated decorative result;
- ◆ It flexibly resists cracking, effectively concealing fine cracks on walls;
- ◆ It demonstrates superior resistance to artificial weathering, guaranteeing extended durability;
- ◆ It features an even surface with remarkable resistance to staining.

Coating Structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls			
Primer layer	SGD205A	Granite Stone Paint Specialized Primer (Transparent)	1	0.12-0.15	Roller coating
Line marking paint layer	SGD206	Textured Natural Stone Paint Specialized Primer		—	—
Flat background paint	SGE100A	Granite Stone Paint Background Color Paint (Flat)	2	0.2-0.25	Roller coating
Main paint layer	ZSG400-10	High Weather and Water Resistance Granite Stone Paint Paint	2-3	0.3-0.8	Spray Coating
Finish-coat paint layer	Choice 1: SGM106	Granite Stone Paint Specialized Finish-coat Varnish	1	0.1-0.15	Roller coating
	Choice 2: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)			
	Choice 3: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)			

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

1.2 Granite Stone Paint Litchi Surface Water-in-Water System

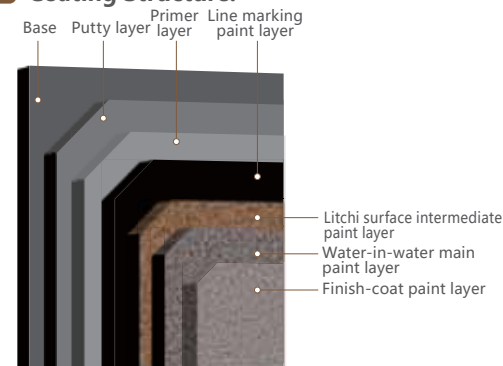
The Granite Stone Paint litchi surface water-in-water system consists of the primer, litchi surface intermediate paint, water-in-water main paint, and finish-coat varnish, all of which combine to emulate the appearance of the litchi surface granite stone.

System Features:

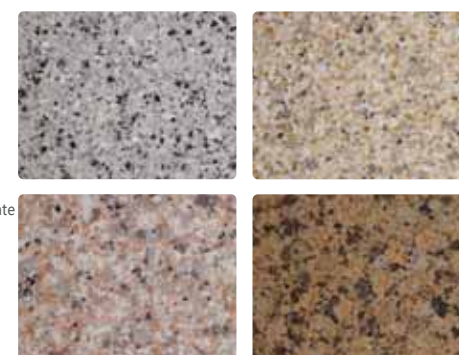
- ◆ Matte texture enhances the paint film's substantial feel;
- ◆ The coating exhibits a pronounced sense of thickness and robust impact resistance;
- ◆ It demonstrates superior resistance to artificial weathering, guaranteeing extended durability;
- ◆ The surface boasts a distinct textural intensity with a strong three-dimensional feel.



Coating Structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Dilution Rate	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	25%-30%	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls				
Primer layer	SGD205A	Granite Stone Paint Specialized Primer (Transparent)	1	0.12-0.15	0-20%	Roller coating
Background color paint	Choice 1: ZSG200-08	Granite Stone Paint specialized textured intermediate paint	2	2-3	0-3%	Spray Coating
	Choice 2: ZSG200-06	Granite Stone Paint Specialized Litchi Surface Intermediate Paint		3-4.5	0-3%	Spray Coating
Topcoat layer	ZSG400-11	High Weather-Resistant Granite Stone Paint Paint (Matte)	2-3	0.3-0.8	No Dilution	Spray Coating
Finish-coat paint layer	SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)	1	0.1-0.15	10%-20%	Spray Coating

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

1.3 Granite Stone Paint Water-in-Sand System

The Granite Stone Paint litchi surface water-in-sand system consists of the primer, litchi surface background color paint, water-in-sand main paint, and finish-coat paint, all of which combine to emulate the appearance of the litchi surface granite stone.

System Features:

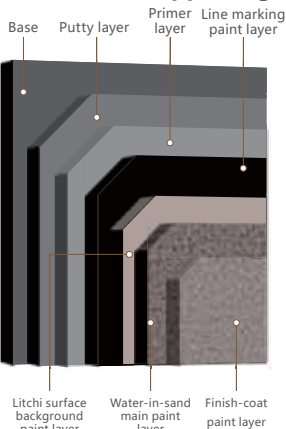
- ◆ It mimics the look of litchi surface granite in a dry-hung setup, achieving a sophisticated decorative result;
- ◆ Strong surface texture and three-dimensional sense, showing a matte effect;
- ◆ It demonstrates superior resistance to artificial weathering, guaranteeing extended durability;
- ◆ Construction is simple and convenient, with short maintenance cycle.



Coating Effect:



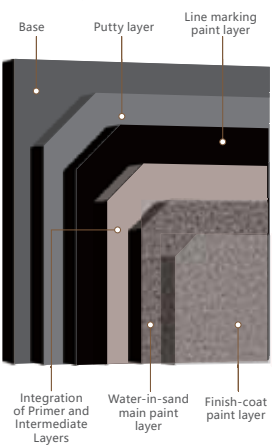
Common Supporting System Coating Structure:



Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls			
Primer layer	SGD205A	Granite Stone Paint Specialized Primer (Transparent)	1	0.12-0.15	Roller
Line marking paint layer	SGD206	Textured Natural Stone Paint Specialized Primer	1	—	—
Background color paint	SGE100B	Granite Stone Paint Colored Sand Background Color Paint	2	0.4-0.6	Roller coating/spray coating
Topcoat layer	ZSG600	3TREES Granite Stone Paint Colored Sand Paint	2-3	0.8-1.5	Spray Coating
Finish-coat paint layer	Choice 1: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)	1	0.1-0.15	Roller coating
	Choice 2: SGM118	Wall clear perfection finish-coat paint			
	Choice 3: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)			

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

Integration of Primer and Intermediate Layers Supporting System Coating Structure:



Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Construction Method
Putty layer	Choice 1: GN702	Crack-Resistant Coarse Primer utty for Exterior Walls	2	2.5-4	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls			
Line marking paint layer	SGD206	Textured Natural Stone Paint Specialized Primer	1	—	—
Integration of Primer and Intermediate Layers	SGE100C	Integration of Primer and Intermediate Layers of Granite Stone Paint Colored Sand Paint	2	0.25-0.35	Roller coating
Topcoat layer	ZSG600	3TREES Granite Stone Paint Colored Sand Paint	2-3	0.8-1.5	Spray Coating
Finish-coat paint layer	Choice 1: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)	1	0.1-0.15	Roller coating
	Choice 2: SGM118	Wall clear perfection finish-coat paint			
	Choice 3: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)			

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.



1.4 Granite Stone Paint Colored Sand and Hemp Stone System

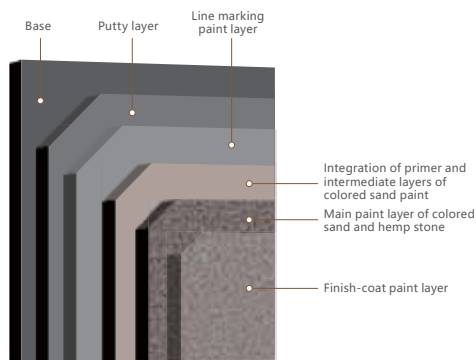
The granite stone paint colored sand and hemp stone system consists of the integration of primer and intermediate layers of colored sand paint, main paint layer of colored sand and hemp stone, and finish-coat paint layer, all of which combine to emulate the appearance of the three-dimensional speckled granite stone.

System Features:

- ◆ A strong sense of relief created by the accumulation of small colorful dots, resulting in distinct layers and an extremely pronounced three-dimensional appearance.
- ◆ Multicolor full-spray technology ensures that the color dots resist color spreading or muddling, leading to minimal color variance.
- ◆ High construction efficiency and great tolerance, enabling seamless repairs without visible traces.
- ◆ Over 2,000h of artificial weathering resistance.



Coating Structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Dilution Rate	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	25%-30%	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls				
Background color paint	SGE100C	Integration of Primer and Intermediate Layers of Granite Stone Paint Colored Sand Paint	2	0.35-0.5	5%-10%	Spray Coating
Topcoat layer	ZSG610-11	3TREES Colored Sand and Hemp Stone	2-3	0.8-1.3	0-3%	Spray Coating
Finish-coat paint layer	Choice 1: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)	1	0.1-0.15	10%-20%	Roller coating
	Choice 2: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)	1	0.1-0.15	10%-20%	Roller coating

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

1.5 Granite Stone Paint Easy Coating System

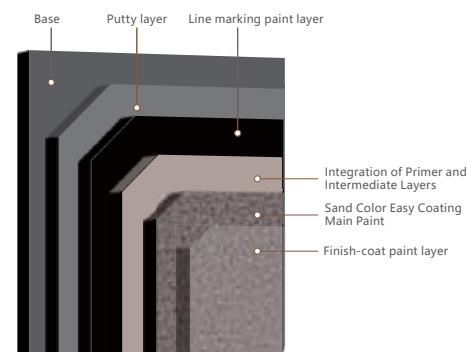
Selected imported silicone-acrylic emulsion paired with high-hardness graded white sand, this product excellently replicates the texture and appearance of litchi surface granite. It is easy to apply and sets a new trend in the development of multi-color coatings.

System Features:

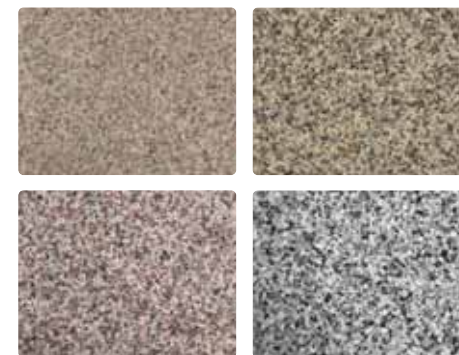
- ◆ Selected high-quality graded base sand for an excellent texture and high fidelity to the original;
- ◆ Metal ion coking technology to reduce the boundary effect of color spots, resulting in a high degree of color spot integration;
- ◆ Special silicone-acrylic emulsion paired with high-hardness quartz sand for high color spot toughness and a highly durable, scratch-resistant paint film.
- ◆ Over 2,000h of artificial weathering resistance;
- ◆ No need for a natural stone texture base, making application convenient and efficient.



Coating Structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Dilution Rate	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	25%-30%	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls				
Background color paint	SGE100C	Integration of Primer and Intermediate Layers of Granite Stone Paint Colored Sand Paint	2	0.35-0.5	5%-10%	Spray Coating
Topcoat layer	ZSG600-10	3TREES Sand Color Easy Coating	1-2	1.5-2.5	0-3%	Spray Coating
Finish-coat paint layer	Choice 1: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)	1	0.1-0.15	10%-20%	Roller coating
	Choice 2: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)	1	0.1-0.15	10%-20%	Roller coating

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

1.6 Granite Stone Paint Limestone System

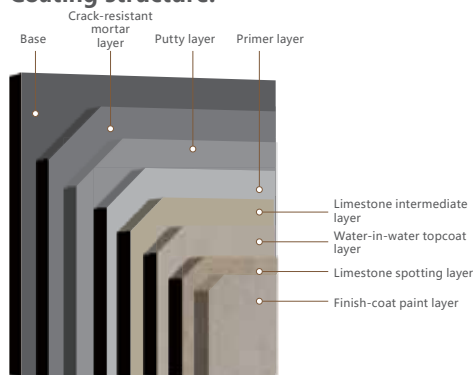
The Granite Stone Paint limestone system consists of the primer, limestone intermediate paint, multiple limestone spot paints, and finish-coat paint, all of which combine to emulate the appearance of the flat limestone.

System Features:

- ◆ It mimics the look of limestone in a dry-hung setup, achieving a high-end and elegant decorative result;
- ◆ The surface is smooth and refined, possessing the tactile feel of natural limestone.
- ◆ The coating has a substantial thickness, imparting a solid and grand visual impression akin to natural stone.
- ◆ It demonstrates superior resistance to artificial weathering, guaranteeing extended durability;
- ◆ It offers strong anti-soiling capabilities.



Coating structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Construction Method
Putty	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2-3	2.0-3.0	Troweling
Primer layer	SGD205A	Granite Stone Paint Specialized Primer (Transparent)	1	0.12-0.15	Roller coating
Intermedi-	ZSG901	Granite Stone Paint Limestone Main Material	2-3	2.0-3.0	Troweling
Spotting	Choice 1: ZSG901A	Granite Stone Paint Limestone Spotting Material	2-3	0.5-1	Sponge Staining
	Choice 2: ZSG901B	Granite Stone Paint Limestone Line Material		0.5-1	Special Shaping
	Choice 3: ZSG901C	Granite Stone Paint Limestone Wiping Stain		0.1-0.15	Tool Application
Topcoat	ZSG400-10	High Weather and Water Resistance Granite Stone Paint	1	0.05-0.10	Spray Gun Application
Finish-coat	Choice 1: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)	1	0.1-0.15	Roller coating
	Choice 2: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)			

Remarks: According to design requirements, the thickness of the crack-resistant mortar layer is selected appropriately, while water-in-water topcoat and limestone spotting materials are chosen based on the desired texture patterns. The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

02 | Constant Colored Stone Series

The 3TREES Constant Color Stone Series is a novel eco-friendly building material that utilizes flexible color particles and sintered color sand technology, thereby reducing reliance on natural color sand and conserving mineral resources. Combined with ultra-durable weather-resistant acrylic emulsions and a range of functional additives, the entire product line boasts strikingly innovative decorative effects, exceptional long-term weather resistance, and outstanding construction tolerance. It is suitable for decorative and protective applications on exterior walls of a variety of residential buildings, hotels, villas, shopping malls, office buildings, and other architectural structures.



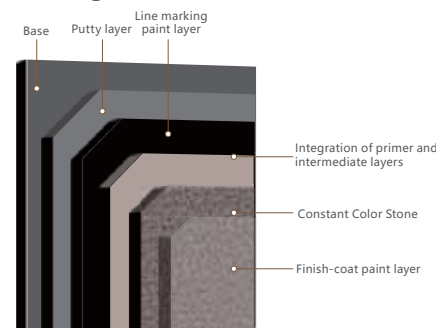
2.1 Colorless Sand Stone-like Paint System

The colorless sand stone-like paint system consists of a specialized integration of primer and intermediate layers, constant color stone finish coat, and finish-coat paint, all of which combine to emulate the appearance of the medium-small pattern litchi surface granite.

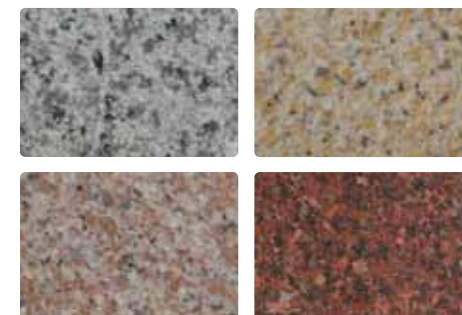
System Features:

- ◆ High-end and majestic decorative effect;
- ◆ Superior resistance to artificial weathering;
- ◆ Construction is user-friendly, allowing for a one-coat application that achieves a complete finish with minimized risk of color spreading or muddling.
- ◆ High construction tolerance and very low entry barrier for execution.

Coating Structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls			
Line marking paint	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.03-0.15 Specifically determined according to the actual seam width	roller coating
Integration of Primer and Intermediate Layers	Choice 1: SDE800	Integration of primer and intermediate layers of constant color stone	2	0.22-0.26	roller coating
	Choice 2: SDE810	One-time coating for integration of primer and intermediate layers	1-2 layers (Increase the number of layers for bright or dark colors)	0.12-0.15KG/m ² /layer	roller coating
Topcoat layer	ZSG800	Constant Colored Stone	1	1.2-1.5	spray coating
Finish-coat paint layer	Choice 1: SGM118	Wall clear perfection finish-coat paint	1	0.1-0.15 (roller coating) 0.25-0.35 (spray coating)	
	Choice 2: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)			
	Choice 3: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)			

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

2.2 Constant Color Stone Hemp Stone System

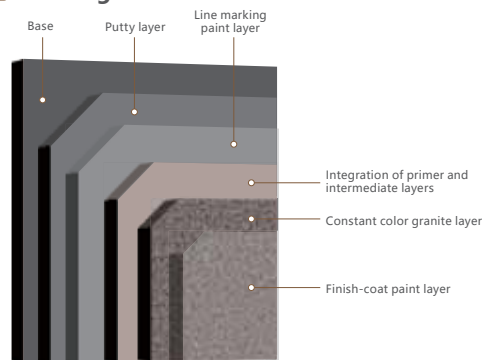
The constant color stone hemp stone system consists of a specialized integration of primer and intermediate layers, constant color stone hemp stone topcoat, and finish-coat paint, all of which combine to emulate the appearance of the medium-grained litchi surface granite.

System Features:

- ◆ The paint film is lightweight, environmentally friendly with low carbon emissions, and highly safe.
- ◆ Construction efficiency is improved, effectively shortening project timelines.
- ◆ The emulsion content is high, with a proven resistance to artificial aging for a duration of 1,000 hours.
- ◆ The paint film possesses a strong density, resulting in minimal dust accumulation between layers, thus improving upon the common issue of dust adherence found in Natural Stone Paint.



Coating Structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls		
Line marking paint	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.03-0.05 Specifically determined according to the actual seam width
Integration of Primer and Intermediate Layers	Choice 1: SDE800	Integration of primer and intermediate layers of constant color stone	2	0.22-0.26
	Choice 2: SDE810	—Base Coat Application—		
Topcoat layer	ZSG810-11	Constant Color Stone Hemp Stone	1	1.5-1.8
Finish-coat paint layer	Choice 1: SGM118	Wall clear perfection finish-coat paint	1	0.1-0.15 (roller coating) 0.25-0.35 (spray coating)
	Choice 2: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)		
	Choice 3: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)		

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

2.3 Flowing Colored Sand System

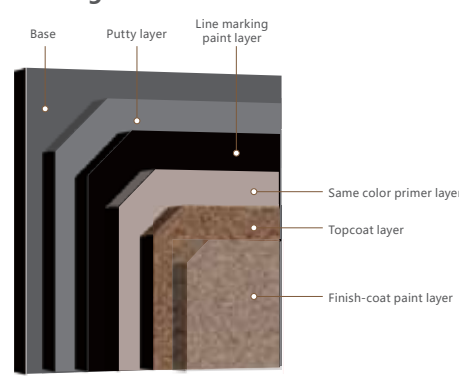
The flowing colored sand system consists of a sandy primer, a flowing sand main paint, and finish-coat varnish, all of which combine to emulate the appearance characterized by distinct grains and vibrant colors.

System Features:

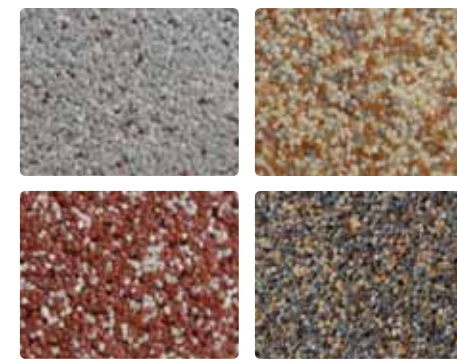
- ◆ Vibrant colors, crisp textures, and dazzling sheen result in a premium decorative effect.
- ◆ Available in both coarse and fine sand types, meeting the needs of different projects.
- ◆ It offers strong resistance to fading, chalking, and yellowing.
- ◆ It has a high degree of construction tolerance, reducing the risk of color spreading or muddling and noticeable seams.



Coating Structure:



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Dilution Rate	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	25%-30%	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls				
Seam filling paint	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.03-0.05 (Specifically determined according to the actual seam width)	0-30%	Roller coating
Primer	SGD209	Textured Natural Stone Paint Specialized Sandy Primer	1-2	0.25-0.30	0-10%	Roller coating
Topcoat layer	Coarse sand: ZSG200-22	Flowing Colored Sand	1	2.5-3.3	0-3%	Troweling
	Fine sand: ZSG200-23	Light-weight flowing colored sand		1.5-2.5		
Finish-coat paint layer	Choice 1: SGM118	Wall clear perfection finish-coat paint	1	0.1-0.15	10%-20%	Roller coating
	Choice 2: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)				

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

03 | Sci-tech Art Stone Series

3TREES Sci-tech Art Stone Series include four major series of products, including the ancient and elegant system, the texture art space system, the ingenious fair-faced concrete system and dream gold system. The products are green and environment-friendly. Rich modeling effects are forged with ingenuity, leading the new fashion of interior and exterior wall coating material decoration, promoting functional upgrading of interior and exterior wall coating materials and creating star products of 3TREES. Sci-tech Art Stone Series are applicable to interior and exterior wall decoration of villas, high-grade residences, canteens, museums, etc.

3.1 Ancient Elegance System

The colorless sand stone-like paint system consists of a specialized integration of primer and intermediate layers, constant color stone finish coat, and finish-coat paint, all of which combine to emulate the appearance of the medium-small pattern litchi surface granite.

3.1.1 Antique Imitation Bricks

System Features:

- ◆ The pseudo-classic brick effect manifests the historical precipitation feeling;
- ◆ The fluorocarbon system has outstanding weather-resistant performance;
- ◆ The entire formula is water-based, so it is healthy and environment-friendly.



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m²	Construction Method
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	Troweling
Primer layer	SKY011	Sci-tech art stone specialized colorant	1	0.12-0.15	Roller coating
Main paint layer	SKY010	Fair-faced concrete decoration mortar	2	1.2-1.5	Troweling
Barrier layer	SKY011	Sci-tech art stone specialized colorant	1	0.12-0.15	Roller coating
Primary staining	SSF100	Water-based fluorocarbon paint	1-2	0.05-0.1	Cleaning sponge roller
Finish-coat paint layer	SKY300M	Sci-tech art stone specialized finish-coat agent	2	0.2-0.3	Roller coating/spray coating

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

3.1.2 Rammed earth straw

System Features:

- ◆ The rammed earth wall effect makes the decoration fell like textured and ancient;
- ◆ The sense of depth is outstanding, and thick coating brings no cracking.
- ◆ Natural straws can be added as need;



Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m²	Construction Method
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	Troweling
Primer layer	SKY011	Sci-tech art stone specialized colorant	1	0.12-0.15	Roller coating
Lower coat	SKY110	Hammered earth like decoration mortar lower coat	1	1.2-1.5	Troweling
Upper coat	SKY100	Hammered earth like decoration mortar upper coat	2-3	2.5-3.5	Troweling
Finish-coat paint layer	SKY300M	Sci-tech art stone specialized finish-coat agent	2	0.2-0.3	Roller coating/spray coating

Remarks: To achieve the straw effect, it only needs to add straws in the upper coat. The specific proportion is as follows: Rough straws: Add 10g straws into 1kg hammered earth; Fine straws: Add 5g straws into 1kg hammered earth;

3.2 Ingenious Fair-faced Concrete System

Ingenious Fair-faced Concrete System interprets the Japanese simplifying life style and the connotation of minimalism culture, embodies the perfect combination of the simple style and the fashion industrial style. It is applicable to high-grade architectures such as villas, high-grade residences, canteens, museums, etc.;



3.1.1 Antique Imitation Bricks

System Features:

- ◆ It mimics the fair-faced concrete precast slab effect, extremely manifesting the industrial decoration effect;
- ◆ Belonging to combustion class A, the product is fireproof and flame retardant;
- ◆ The texture effects are diversified, and the personality is strong;
- ◆ It is applicable to both interior and exterior walls. It is widely applied.

Coating Effect:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Construction Method
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	Troweling
Primer layer	SKY011	Sci-tech art stone specialized colorant	1	0.12-0.15	Roller coating
Main paint layer	SKY010	Fair-faced concrete decoration mortar	2	1.2-1.5	Troweling
Barrier layer	SKY011	Sci-tech art stone specialized colorant	2	0.05-0.1	Cleaning sponge roller
Finish-coat paint layer	SKY300M	Sci-tech art stone specialized finish-coat agent	2	0.2-0.3	Roller coating and spray coating

04 | Solar Heat Reflection Insulation

3TREES Solar Heat Reflection Insulation Series can effectively reflect energy of visible light band (0.4-0.72μm) and near-infrared band (0.72-2.5μm) in solar radiation by using functional pigments and fillers as well as functional additives that have special response to the infrared band of sunlight, so as to reduce the temperature of the wall body. This product system provides multiple choices. While meeting the popular decoration effect, it can realize the reflection insulation effects. Especially, it is suitable for exterior wall decoration and protection in regions in the south of the Yangtze River where it is hot in summer and cold in winter or hot in summer and warm in winter.



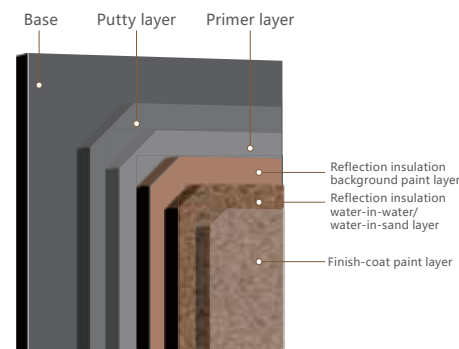
4.1 Solar Heat Reflection Insulation Granite Stone Paint System

Solar Heat Reflection Insulation Granite Stone Paint System can fabricate imitated flat and litchi surface granite by using different kinds of background paint and topcoat.

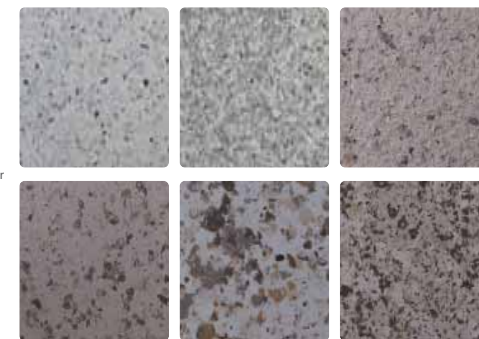
System Features:

- ◆ The granite imitation degree is high, reflecting the sense of beauty of dry-hung stone materials
- ◆ Heat reflection insulation function, energy conservation and emission reduction;
- ◆ Superior weather resistant performance and long-time color retaining.

Coating Struc-



Coating Effect:



Solar Heat Reflection Insulation Granite Stone Paint Flat System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4
Primer layer	SGD205A	Granite Stone Paint Specialized Primer (Transparent)	1	0.12-0.15 (roller coating)
Background color paint	SGE710	Solar heat reflection insulation coating material	2	0.2-0.3 (roller coating)
Topcoat layer	ZSG400-30	Solar heat reflection insulation Granite Stone Paint	2-3	0.3-0.8
Finish-coat paint	Choice 1: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)	1	0.1-0.15 (roller coating)
	Choice 2: SGM106	Granite Stone Paint Specialized Finish-coat Varnish		
	Choice 3: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)		

Remarks: Thermal-insulation putty thickness is selected according to the design need. Plastering of thermal-insulation putty should be conducted at twice. The interval between two adjacent layers should be over 24h. The thickness of each layer should be no more than 10mm. The overall thickness should be no more than 20mm. If it is over 15mm, one layer of glass fiber gridding cloth should be applied.

Solar Heat Reflection Insulation Granite Stone Paint Litchi Surface System

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4
Primer layer	SGD205A	Granite Stone Paint Specialized Primer (Transparent)	1	0.12-0.15 (roller coating)
Intermediate Layer	ZSG100-21	Heat reflection insulation Natural Stone Paint	2	3-4.5
Topcoat layer	ZSG400-30	Solar heat reflection insulation Granite Stone Paint	2-3	0.5-0.8
Finish-coat paint	SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)	1	0.1-0.15 (roller coating)

Solar Heat Reflection Insulation Water-in-sand System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4
Primer layer	SGD205A	Granite Stone Paint Specialized Primer (Transparent)	1	0.12-0.15 (roller coating)
Background color paint	SGE710	Solar heat reflection insulation coating material	2	0.2-0.3 (roller coating)
Topcoat layer	ZSG600-30	3TREES heat reflection insulation sand color paint	2-3	0.8-1.5
Finish-coat paint layer	Choice 1: SGM104A	Granite Stone Paint Specialized Finish-coat Varnish (Matte)	1	0.1-0.15 (roller coating)
	Choice 2: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)		

Colored topcoat construction:

- ◆ Construction method: Spraying with special spray gun for multi-color paints;
- ◆ Dilution rate: No dilution is required. Before opening the can for use, prepare a clean empty barrel and slowly pour the contents back and forth to mix evenly. The use of electric mixers for mixing is strictly prohibited.
- ◆ Drying time: Surface drying ≤4h/25°C, actual drying 14d/25°C (affected by temperature and humidity);
- ◆ Recoating time: 24h (temperature ≥5°C, humidity ≤85%);
- ◆ Storage conditions: Store in a cool (0-40°C) and dry place, avoiding direct sunlight during hot weather, keep away from heat sources, and the product can be stored for up to 6 months when sealed properly;
- ◆ Remarks: Granite Stone Paint must be matched with coarse base putty.



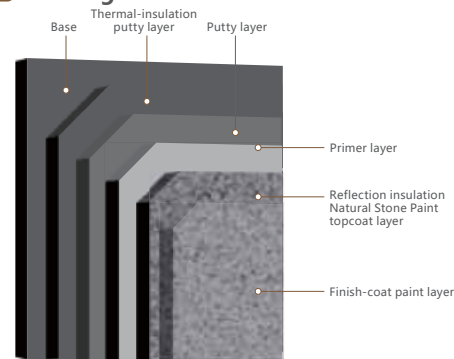
4.2 Solar Heat Reflection Insulation Natural Stone Paint System

Solar heat reflection insulation Natural Stone Paint is a product with reflective and thermal insulation functions by adding specially colored sand and functional titanium white, integrating decoration and energy-saving effects. While ensuring the high decorative effect of the exterior wall, it effectively reduces the high heat absorption problem of stone and sand wall-like exterior wall coatings, providing a set of environmentally friendly and energy-saving protection system for buildings.

System Features:

- ◆ Textured and firm coating, and steady decorative effect;
- ◆ Heat reflection insulation function, energy conservation and emission reduction;
- ◆ Simple and efficient construction.

Coating Structure:



Coating



Procedure	Model	Product Name	Number of Layers	Consumption kg/m²	Dilution Rate	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	25-30%	Troweling
	Choice 2: 722N722	Flexible Coarse Putty (Grey) for Exterior Walls				
Primer	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.12-0.15 0.25-0.30	0-20% 0-30%	Roller coating Spray Coating
Seam filling paint	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.03-0.05(Specifically determined according to the actual seam width)	0-20%	Roller coating
Topcoat	ZSG100-21	Heat reflection insulation Natural Stone Paint	2		0-3%	Spray Coating
Finish-coat paint layer	Choice 1: SGM118	Wall clear perfection finish-coat paint	1	0.1-0.12 0.25-0.35	20%-40% 20%-40%	Roller coating Spray Coating
		Choice 2: SGM114		Wall-clear smog-eliminating finish-coat paint	0.1-0.12	No Dilution
	Choice 3: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)		0.1-0.15 0.25-0.30	10%-20%	Roller coating Spray Coating

Natural Stone Paint Finish Coating Application:

- ◆ Construction method: Spray Coating with Natural Stone Paint spray coating gun (suggested caliber: 5-7mm);
- ◆ Dilution rate: After opening the container, stir the contents evenly and use directly. Typically, no water needs to be added; however, if viscosity adjustment is necessary, dilute with up to 3% clean water.
- ◆ Drying time: Surface drying ≤4h/25°C, actual drying 14d/25°C (affected by temperature and humidity);
- ◆ Recoating time: 24h/25°C (temperature ≥5°C, humidity ≤85%);
- ◆ Storage conditions: Store in a cool (5-35°C) and dry place and the product can be stored for up to 12 months when sealed properly.

4.3 Solar Heat Reflection Insulation Texture Paint System

3TREES solar heat reflection insulation texture paint is a premium decorative energy-saving thick coating material that utilizes environment-friendly synthetic resin emulsion as the binder, solar heat reflection functional pigments and fillers, inorganic minerals and natural sand as aggregates, and excellent additives and water as the auxiliary materials. Multiple colors can be matched to meet demands of high-brightness colors, medium-brightness colors and low-brightness colors.



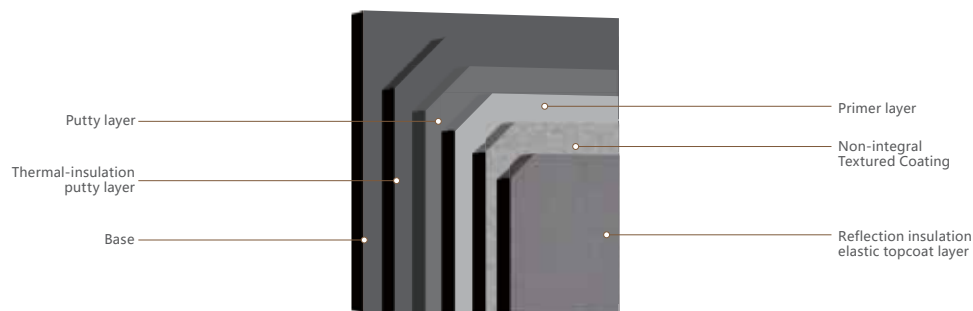
System Features:

- ◆ The coating is textured and firm, colors can be selected, and multiple surface texture effects can be achieved;
- ◆ Heat reflection insulation function, energy conservation and emission reduction;
- ◆ The product can be sprayed or troweled, providing more choices.

Coating Effect:



Reflection insulation non-integral texture system coating structure:

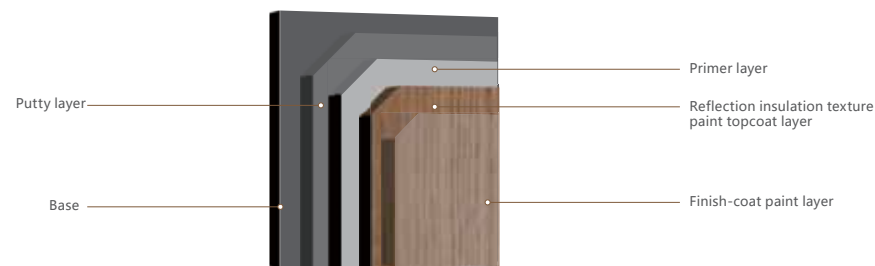


Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Dilution Rate	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	25-30%	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls				
Primer	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.12-0.15	0-20%	Roller coating
				0.25-0.30	0-30%	Spray Coating
Seam filling paint	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.03-0.05(Specifically determined according to the actual seam width)	0-20%	Roller coating
Finish-coat paint layer	Choice 1: ZSG200-09	Premium Texture Coating (Non-integral)	2	1.8-3	0-3%	Troweling
	Choice 2: ZSG200-09A	Sprayed-Type Non-integral Textured Coating		1.5-3.5		Spray Coating
Topcoat	SGT810	Elastic solar heat reflection insulation coating material	2	0.35-0.45	Light Colors 0-10%; Dark and bright colors are not diluted;	Roller coating

Texture paint topcoat construction: Construction is conducted according to the ordinary non-integral texture construction technique.

Reflection insulation integral texture system coating structure:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²	Dilution Rate	Construction Method
Putty layer	Choice 1: SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4	25-30%	Troweling
	Choice 2: SGN722	Flexible Coarse Putty (Grey) for Exterior Walls				
Primer	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.12-0.15	0-20%	Roller coating
				0.25-0.30	0-30%	Spray Coating
Seam filling paint	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.03-0.05(Specifically determined according to the actual seam width)	0-20%	Roller coating
Topcoat	ZSG200-21	Solar heat reflection insulation texture coating material	2	2-3	0-3%	Spray Coating
Finish-coat paint layer	Choice 1: SGM118	Wall clear perfection finish-coat paint	1	0.1-0.12	20%-40%	Roller coating
				0.25-0.35	20%-40%	Spray Coating
	Choice 2: SGM114	Wall-clear smog-eliminating finish-coat paint		0.1-0.12	No Dilution	Spray Coating
	Choice 3: SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)		0.1-0.15	10%-20%	Roller coating
				0.25-0.30		Spray Coating

Texture paint topcoat construction: Construction is conducted according to the ordinary non-integral texture construction technique.

4.4 Solar Heat Reflection Insulation Latex Paint System

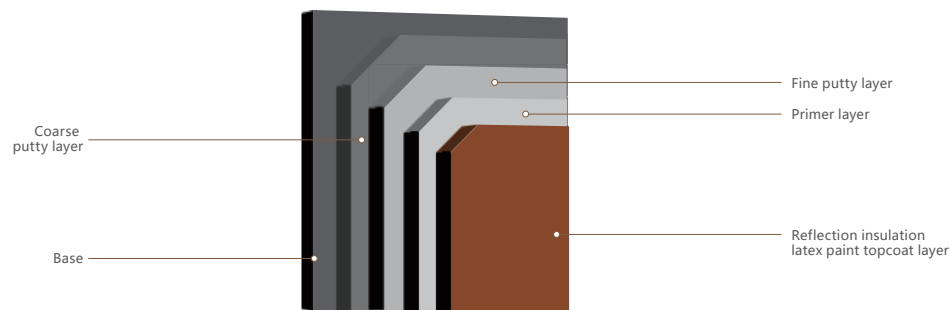
There are two types of solar heat reflection insulation latex paint: elastic solar heat reflection insulation emulsion paint and non-elastic solar heat reflection insulation emulsion paint. It can be used individually or used as supporting topcoat in brushing and embossing intermediate layer.

System Features:

- ◆ Multiple colors are available, including high-brightness colors, medium-brightness colors and low-brightness colors;
- ◆ Heat reflection insulation function, energy conservation and emission reduction;
- ◆ Simple construction and high cost performance.



Reflection insulation latex paint system layer structure:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²
Coarse putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4
Fine putty layer	SGN700	Engineering putty for exterior wall	2	2.5-4
Primer	SGD100	High Adhesion Exterior Wall Primer	2	0.12-0.15
	SGD104	Exterior Wall Color Matching Primer	2	
	SGD103	General Primer for Exterior Wall	1	
	SGD106	Specialized Flat Coating Primer for Exterior Walls		
	SGD302	General Type II Primer for Exterior Walls		
Topcoat	SGE710	Solar heat reflection insulation coating material	2	0.25-0.3(roller coating)
	SGT810	Elastic solar heat reflection insulation coating material		0.35-0.5(spray coating)

Remarks: It is suggested that topcoat color should be selected according to the special color card.

05 | Inorganic mineral exterior wall coating material

5.1 Inorganic Non-combustible Natural Stone Paint System

This is a thick coating formulated using inorganic silicate resins as a key film-forming substance, augmented with natural color sand and functional additives.

System Features:

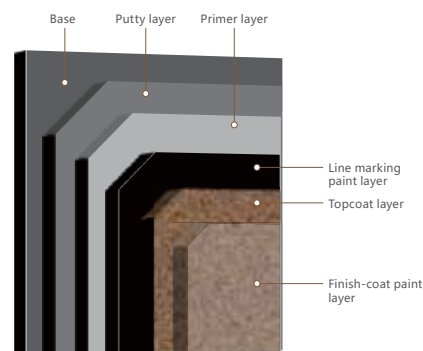
- ◆ Class A non-combustible, suitable for use in rail transit, schools, public buildings, urban renewal projects, industrial plants and others.
- ◆ Chemically cured to form an inorganic coating film, it offers excellent UV resistance and superior weatherability.
- ◆ Inorganic nano-materials can undergo silicification reactions with the substrate, resulting in coating film with strong adhesion, high surface hardness, and excellent wear resistance;
- ◆ It possesses the inherent characteristics of stone – natural, dignified, and grandiose – fully embodying the abundant textural depth found in natural stones.



Coating Effect:



Coating structure:



Standardized supporting system:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4
	SGN722	Flexible Coarse Putty (Grey) for Exterior Walls		
Primer	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.12-0.15(roller coating) 0.25-0.30(spray coating)
	SGD206	Textured Natural Stone Paint Specialized Primer	1	0.03-0.05(Specifically determined according to the actual seam width)
Topcoat	ZSG100-31	Inorganic Non-combustible Natural Stone Paint	2	2-3.5/3-5.5
Finish-coat paint layer	SGM118	Wall clear perfection finish-coat paint	1	0.1-0.12
	SGM114	Wall-clear smog-eliminating finish-coat paint		
	SGM118A	Wall Clear Perfection Finish-coat Paint (Ultra-Matte)		

Remarks: Different types of sand have varying consumption rates: Fine sand consumption ranges from 3.0 to 3.5; medium sand consumption ranges from 3.5 to 4.5; and coarse sand consumption ranges from 4.5 to 5.5. (Actual consumption may vary depending on the base surface flatness and construction techniques employed in the project).

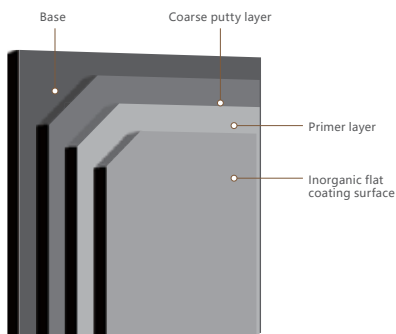
5.2 Inorganic Flat Coating System

It is a high-functional inorganic mineral exterior wall coating material that mainly uses inorganic silicate as the main film-forming substance and adopts functional fillers and additives. It is suitable for coating of various building facades such as industrial factory buildings, bridges, tunnels, schools, hospitals, residences, hotels, urban refreshing, etc.

System Features:

- ◆ It belongs to combustion class A, and the safety coefficient is high;
- ◆ High-temperature coating film is not easy to be sticky, and the stain-resistant performance is outstanding;
- ◆ It can undergo silicification reactions with the substrate, and the coating film is characterized by strong adhesive force and high hardness;
- ◆ The anti-aging performance and especially the yellowing-resistant performance is extraordinary;
- ◆ Color customization is accepted, and multiple colors are available;
- ◆ With a low content of VOC and formaldehyde, it is low-carbon and environment-friendly;
- ◆ With high air permeability, bulging is not easy to occur;

Coating Structure:



Standardized Supporting System:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m ²
Putty layer	SGN702	Crack-Resistant Coarse Primer Putty for Exterior Walls	2	2.5-4
Primer	SGD103	General Primer for Exterior Wall	1	0.12-0.15
	SGD100	High Adhesion Exterior Wall Primer		
Topcoat	SWE001	Inorganic mineral exterior wall coating material	2	0.25-0.35

Remarks: The actual amount of paint used may vary due to different influencing factors, such as application methods, tools employed during construction, desired visual effects, size of color spots, usage conditions, and the flatness of the surface being painted.

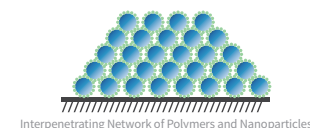
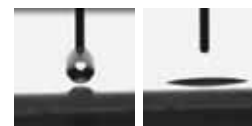


06 | Wall-clear Finish-coat Series

After the Wall-clear Finish-coat Series products are applied to the exterior of buildings, their coatings' special nano-pore structure can capture moisture in the air, forming a hydrophilic film on the surface, eliminating static electricity. This further inhibits the adsorption of pollutants such as dust and dirt. In the rare event of adsorption, rainwater easily washes away the dust. Ultimately, this achieves the effect of the paint film resistant to dirt and remaining clean.



Product Principle:



1. Surface Hydrophilicity: The hydrophilic finish-coat forms a continuous water film on the coating surface, which evenly washes the coating and effectively reduces irregular rainwater stains. This achieves anti-fouling and cleaning effects for the paint film.

2. Dense Protective Film: The use of polymers and nanoparticles in the paint creates a hybrid of organic and inorganic materials, forming a hard and dense protective film. This effectively prevents dirt from penetrating the wall, making it "impenetrable" to stains and thereby enhancing its dirt resistance.

3. Micro-Nano Structure: The micro-nano structure on the surface of nanocomposite coatings not only reduces the adhesion of dust and particles to the coating surface but also effectively filters ultraviolet rays from sunlight. This significantly delays issues such as building aging and fading.

Product Features::



Self-cleaning



High dirt resistance



High weather resistance



Anti-bright spot and rain stain



Easy construction

Applicable Standard:

GB/T 31815 Self Cleaning Coatings for External Surface of Buildings.
HG/T5065 Clear Varnishes for Architectural Coatings
GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings.

6.1 Wall Clear Perfection Finish-coat Coating

Wall Clear Perfection Finish-coat Paint is an exterior wall finish-coat paint with self-cleaning, weather-resistant color retention, and water whitening resistance functions. Its main component is a silicone-acrylic emulsion, which offers excellent water resistance and water whitening resistance. Additionally, this product contains a large amount of nanomaterials that can effectively block ultraviolet rays from sunlight during outdoor use, thereby providing weather-resistant color retention.



Supporting Products:

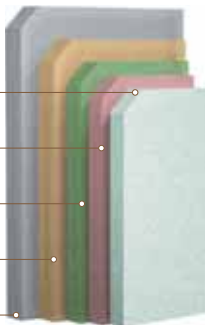
SGM118 wall clear perfection finish-coat paint

Natural stone/texture topcoat layer

Compatible primer

Putty layer

Wall base



Applicable Scope:

Suitable for use as a finish-coat for 3Trees Natural Stone Paint, texture coatings, rock chip paint, Constant Colored Stone, Flowing Colored Sand, and other products.



6.2 Wall Clear Perfection Finish-coat (Ultra Matte)

This ultra-matte exterior wall finish-coat paint is made using silicone-acrylic emulsion combined with special functional additives. It features an outstanding matte effect, stain resistance, weather-resistant color retention, and water whitening resistance. It can be used with natural stone texture paint, multicolor paint, latex paint, and other exterior wall coatings, providing excellent matte decoration and protection.



Product Features:

- ◆ Outstanding matte effect (full-angle gloss reduction), effectively reduces side light on the paint film, improving side light streak issues.
- ◆ Silicone-acrylic system offers exceptional weather-resistant color retention, acid rain resistance, and alkali resistance.
- ◆ Special matting technology, making the paint film transparent with high color fidelity.
- ◆ Modified with special functional additives, resulting in a dense paint film with superior performance.
- ◆ Hydrophilic surface, providing excellent stain resistance.

Supporting Scheme:

Compatible with natural stone texture paint and multicolor coatings.



6.3 Wall Clear Perfection Fluorocarbon Finish-coat Varnish

Wall Clear Perfection Fluorocarbon Finish-coat Varnish is ultra-weather-resistant exterior wall finish-coat paint made from fluorocarbon emulsion combined with high-quality functional additives.



Product Features:



Self-cleaning



High dirt resistance



High weather resistance

Supporting Scheme:

Compatible with natural stone texture paint, multicolor paint, latex paint, and other exterior wall coatings.



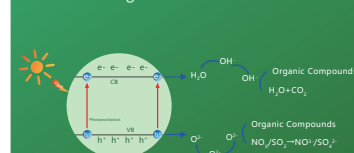
6.4 Wall-clear Smog-eliminating Finish-coat Coating

3Trees Wall Clear Smog-Eliminating Finish-coat Varnish is scientifically developed using advanced nanotechnology combined with 3Trees' unique formula technology, offering self-cleaning and air-purifying functions. When applied to building exterior walls, the active substances within the topcoat undergo photocatalytic reactions under sunlight, generating highly oxidative hydroxyl radicals and other active agents. These agents can effectively purify harmful gases such as sulfur dioxide and nitrogen oxides in the air, degrade smog components, and achieve the effects of air purification and smog degradation.

Product Principle:

The nano titanium dioxide photocatalyst absorbs photons with wavelengths less than or equal to 287.5nm, causing electrons in the valence band to be excited to the conduction band, forming highly active electrons (e^-) with negative charge, and simultaneously generating positive holes (h^+) in the valence band. Under the influence of an electric field, the electrons and holes separate and migrate to different positions on the surface of the particles. According to thermodynamic theory, the h^+ distributed on the surface can oxidize OH^- and H_2O molecules adsorbed on the surface of titanium dioxide into hydroxyl radicals ($\cdot OH$). The oxidative ability of $\cdot OH$ radicals is the strongest among the oxidants present in water, capable of oxidizing most organic pollutants and some inorganic pollutants, ultimately degrading them into harmless substances such as CO_2 and H_2O . Additionally, the chemical and photocatalytic properties of the titanium dioxide catalyst are stable, allowing it to be reused repeatedly. Compared to other pollution control technologies, this method does not consume other energy sources and can reduce pollution.

Schematic Diagram



Applicable Standard:

GB/T 31815 Self Cleaning Coatings for External Surface of Buildings.
HG/T 5065 Clear Varnishes for Architectural Coatings.

Product features:



Self-cleaning



High dirt resistance



High weather resistance



Anti-bright spot and rain stain



Easy construction

Supporting Products:

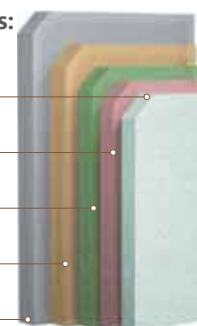
SGM114 Wall-clear smog-eliminating finish-coat paint

Natural Stone/texture topcoat layer

Compatible primer

Putty layer

Wall base



Applicable Scope:

Suitable for use as a finish-coat for 3Trees Natural Stone Paint, texture coatings, rock chip paint, Constant Colored Stone, Flowing Colored Sand, and other products.



PART.3

INTERIOR WALL HIGH-TECH





01 | Inorganic mineral interior wall coating

3Trees Inorganic Mineral Interior Wall Paint is primarily composed of inorganic silicates, inorganic powders, and additives. It is an eco-friendly inorganic interior wall paint with antibacterial and anti-mold properties, Class A fire resistance, and extremely strong adhesion.



Applicable Standard:

GB/T 9756 Synthetic Resin Emulsion Interior Wall Paint (Topcoat, Premium Grade).
GB 8624 Classification for Burning Behavior of Building Materials and Products.

HG/T 3950 Antibacterial Coatings

GB 18582 Limit of Harmful Substances of Architectural Wall Coatings.

Product Features:



-  With a low content of VOC and formaldehyde;
-  Health and environmentally friendly materials are used, meeting environmental protection requirements;
-  Inherent good antibacterial and anti-mold properties;
-  Belonging to combustion class A;
-  Can react with the substrate, providing extremely strong adhesion;
-  Suitable for ceilings, interior walls, corridors, and other areas with fire protection requirements in villas, hotels, hospitals, office buildings, and homes.

Standardized Supporting:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m²	Dilution Rate	Construction Method
Putty layer	SNN600Y	Healthy interior wall putty	2	2.5-4	33-38%	Troweling
	SNN600N	Healthy interior wall putty (waterproof)				
Primer	SWD001	Inorganic interior wall primer	1	0.12-0.15	0-20%	Roller coating
				0.2-0.3		Spray Coating
Topcoat	SWI001	Inorganic mineral interior wall coating	2	0.24-0.3(roller coating) 0.35-0.5(spray coating)	0-15%	Roller coating/spray coating
	SWI002	Premium inorganic interior wall coating				
	SWI005	Inorganic matte finish interior wall coating				
	SWI003	High-grade inorganic mineral interior wall paint				
	SWI008	A1 grade inorganic interior wall paint				
	SWI009	Odorless inorganic interior wall paint				

Applicable Scope:

Suitable for interior wall decoration of high-end villas, office buildings, residences, and other types of buildings.



02 | Health+ Latex Paint

3TREES Health + Standard is a product certification established by 3TREES based on top environmental protection standards, ensuring high environmental protection performance and extreme health throughout the product lifecycle. Its various environmental performance indicators all surpass the standards of France A+, US UL, and China Green Label, reaching the top international level. This product system is the interior wall latex paint that is primarily composed of ultra-clean and environmentally friendly polymer emulsions, high-quality color fillers, and additives. It incorporates special formaldehyde removal, antibacterial, and anti-mold factors, exhibiting excellent environmental and comprehensive performance. It is very suitable for interior wall decoration of bedrooms, children's rooms, hospitals of high-end houses, and other buildings.



System Features:

- ◆ Odorless and environmentally friendly, meeting the high environmental protection requirements of 3TREES, namely Health + Standard;
- ◆ Meet the requirements of national first-class or superior products, with outstanding antibacterial and anti-mold performance.
- ◆ Provide a wide range of color choices, accepts color customization;

System Products:

Inventory Code	Product Name	Specification (kg/barrel)	Product Features
SMI880	Odorless and formaldehyde-removing all-effect wall topcoat	25	1. Odorless and environmentally friendly, meeting the high environmental protection requirements of 3TREES, namely Health + Standard; 2. Meet the performance requirements of national top-grade standard products, with antibacterial and anti-mold functions; 3. Be capable of purifying formaldehyde in indoor spaces and possesses a certain degree of durability;
SMI800	Odorless, antimicrobial and anti-mold topcoat	28	1. Odorless and environmentally friendly, meeting the high environmental protection requirements of 3TREES, namely Health + Standard; 2. Meet the performance requirements of national first-class standard products, with antibacterial and anti-mold functions;
SMI820	Odorless five-in-one wall topcoat	28	1. Odorless and environmentally friendly, meeting the high environmental protection requirements of 3TREES, namely Health + Standard; 2. Meet the performance requirements of national top-grade standard products, with anti-mold functions;
SMI860	Odorless resilient wall topcoat	25	1. Odorless and environmentally friendly, meeting the high environmental protection requirements of 3TREES, namely Health + Standard 2. Meet the performance requirements of national first-class standard products, with anti-mold functions; 3. Comply with the performance requirements of elastic interior wall coating and effectively conceal fine cracks on walls
SMD168	Odorless all-effect primer	25	1. Odorless and environmentally friendly, meeting the high environmental protection requirements of 3TREES, namely Health + Standard 2. Comply with the performance requirements of industrial standard interior wall primer, with superior alkali resistance sealing performance.
SMD160	Odorless five-in-one wall primer	25	1. Odorless and environmentally friendly, meeting the high environmental protection requirements of 3TREES, namely Health + Standard 2. Comply with the performance requirements of industrial standard interior wall primer, with superior alkali resistance sealing performance.

Standardized Supporting:

Procedure	Model	Product Name	Number of Layers	Consumption kg/m²
Putty layer	SNN600N	Healthy interior wall putty (waterproof)	2	2.5-4
Primer	SMD168	Odorless all-effect primer	1	0.12-0.15
	SMD160	Odorless five-in-one wall primer		
Topcoat	SMI880	Odorless and formaldehyde-removing all-effect wall topcoat	2	0.24-0.3
	SMI860	Odorless resilient wall topcoat		
	SMI820	Odorless five-in-one wall topcoat		
	SMI800	Odorless, antimicrobial and anti-mold topcoat		

Topcoat Application

Construction method: Roller coating, spraying, brushing;
 Dilution rate: dilute with 0-15% water according to usage habits after opening the container, and stir evenly.
 Drying time: Surface drying ≤2h/25°C, actual drying 7d/25°C (affected by temperature and humidity);
 Recoating time: 4h/25°C (temperature ≥5°C, humidity ≤85%);
 Storage conditions: Store in a cool (5-35°C) and dry place and the product can be stored for up to 24 months when sealed properly.

03 | Sci-Tech Artistic Paint



3.1 SYG501 clear and plain art paint

3TREES clear and plain art paint is water-based and environment-friendly. The typical fashionable industrial style, low-key appearance and cold texture endow it with unique decoration beauty. It is fireproof and flame retardant. Its design ingenuity is excellent.

Testing Standard:

GB18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.
JC-T 1024-2019 Decorative Render and Plaster for Wall.
GB 8624-2012 Classification for Burning Behavior of Building Materials and Products.



Product features:

- Class A, incombustible (A2)
- Excellent weather resistance.
- Excellent stain-resistant performance
- Effective anti-mold



Recommended effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m ²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SYG502 clear and plain colorant	Roller painting, spray coating	0.1-0.13	1
Main material	SYG501 clear and plain art paint	Troweling	0.8-1.2	1-2
Colorant	SYG502 clear and plain colorant	Dot patting	0.1-0.14	1
Finish-coat	SYG003M clear and plain specialized finish-coat paint	Roller painting, spray coating	0.1-0.13	1-2

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.2 SYG990 ecological silicon micro-concrete art paint

3TREES ecological silicon micro-concrete art paint mainly utilizes inorganic gelatinized substance as the main binding material, and imitates the fair-faced concrete effect. Its fine cement texture manifests the beauty of simplicity combining the interior with the exterior. Integrating with the nature, it is simple but quality, clean but detailed.



Testing Standard:

GB18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.
JG/T298-2010 Putty for Interior.
GB 8624-2012 Classification for Burning Behavior of Building Materials and Products.



Product Features:



- Class A, incombustible (A1)
- Extremely hard and scratch resistant
- Highly alkali-resistant
- Effect art

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SGD149 interior wall engineering primer	Roller painting, spray coating	0.1-0.13	1
Main material	SYG990 ecological silicon micro-concrete	Troweling	0.85-1.3	1-2
Finish-coat	SGM118 wall clear perfection finish-coat paint	Roller painting, spray coating	0.1-0.13	1

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.3 SYG970 interior wall decoration mortar art paint

3TREES interior wall decoration mortar art paint mainly utilizes inorganic gelatinized substance as the main binding material. Its plasticity is strong, and can be smooth and delicate, or rough and natural. It can achieve modern simple decoration effect.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.
JG/T298-2010 Putty for Interior.
GB 8624-2012 Classification for Burning Behavior of Building Materials and Products.



Product Features:



- Class A, incombustible (A1)
- Extremely hard and scratch resistant
- Highly alkali-resistant
- Formaldehyde decomposition

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m ²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SGD149 interior wall engineering primer	Roller painting, spray coating	0.1-0.13	1
Main material	SSYG970 interior wall decoration mortar art paint	Troweling	1.5-2.0	1-2

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.4 SYG360 gold color art paint

3TREES gold color art paint endows the rough beauty of cement with the high-grade metal texture. In addition to the historical atmosphere, it brings the thick fashion sense, includes a sense of elegance in the ancient space texture and manifests a feeling of golden years.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating. HG/T 3950-200 (2017) Antibacterial Coatings Q/SKSP 021-2019/2018 Water-based Art Paint for Interior Wall.

Environmental Certification:



French Indoor Air Environment Testing A+ Standard



US GREENGUARD Certification (Gold)



Product Certificate of China Environmental Labeling

Product Features:



Colorful



Moistureproof and anti-mold



Strong odor removal

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m ²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	2
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Main material	SYG003 interior wall paint for art paint	Roller painting, spray coating	0.1-0.13	1-2
Colorant	SYG360 gold color art paint	Spray it	0.07-0.2	1-2
Finish-coat	SYG001M art paint bright finish-coat paint	Roller painting, spray coating	0.1-0.13	1-2

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.5 SYG100 highlighted metal art paint

3TREES highlighted metal art paint manifests the soft metal texture in reflective light, which is dreamy. It adds a trace of luxury into the calm space, which is transparent, inspiring and full of strength.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating. HG/T 3950-200 (2017) Antibacterial Coatings Q/SKSP 021-2019/2018 Water-based Art Paint for Interior Wall.

Environmental Certification:



Product Features:



- Water-based environment-friendly
- Highlighted and transparent
- Metallic luster
- Brilliant color
- Create multi-layer personalized art space

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m ²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Background paint	SYG003 interior wall paint for art paint (the same base color)	Roller painting, spray coating	0.1-0.13	1-2
Main material	SYG100 highlighted metal art paint	Dot patting	0.02-0.05	1-2
			0.12-0.25	

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.6 SYG302 velvet art paint

3TREES velvet art paint is a water-based wall decoration coating material with both applicability and ornamental value. Its magnificence, elegance and silky pear luster can change along with the reflective light on the surface. Matching with the light effect, it makes you have the dream feeling. It is gorgeous but also cultured, shining but also elegant.



Testing Standard:

GB18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating. JC-T 1024-2019 Decorative Render and Plaster for Wall.

Environmental Certification:



Product Features:



- Water-based environment-friendly
- Silky delicacy
- Formaldehyde decomposition
- Long-time color retaining
- Easy construction

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	2
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Background paint	SYG003 interior wall paint for art paint (the same base color)	Roller painting, spray coating	1.0-1.5	1-2
Main material	SYG302 3TREES velvet art paint	Roller painting and boarding	0.3-0.4	1
Finish-coat	SYG001M 3TREES art paint bright finish-coat paint	Roller painting, spray coating	0.1-0.15	1

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.7 SYG330 velvet art paint

The lint effect of 3TREES velvet art paint creates unique advanced and implicit style. The rich silky texture extremely manifests art paint appeal. The fibers are small, elastic and glossy. Without extra ornaments, it is still gorgeous and creates a romantic atmosphere of a meteor shower as a whole.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating. Q/SKSP 021-2019/2018 Water-based Art Paint for Interior Wall.

Environmental Certification:



Product Features:



- Water-based environment-friendly
- Moistureproof and anti-mold
- Highly alkali-resistant

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m ²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Background paint	SYG003 interior wall paint for art paint	Roller painting, spray coating	0.1-0.13	1
Main material	SYG330 3TREES velvet art paint	Roller coating	0.25-0.33	2
Finish-coat	SYG006M 3TREES better life texture essence (matte)	Roller painting, spray coating	0.1-0.13	1-2

3.8 SYG280 high-hardness velvet art paint

3TREES high-hardness velvet art paint is hard and noble like diamond, smooth and gentle like silk and velvet, and clear and transparent like amber. It can be gorgeous or simple but elegant. Its multiple effects bring the space alive and inspiring vitality, contributing fruitful ideas to you.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.
Q/SKSP 021-2019/2018 Water-based Art Paint for Interior Wall.

QSKSP 038-2018 Healthy + Water-based Coating.

Environmental Certification:



French Indoor Air Environment Testing
A+ Standard



US GREENGUARD
Certification (Gold)



Product Certificate of China
Environmental Labeling



China Green Product



Product Features:



Effect art



Stain-resistant and anti-scrubbing



Moistureproof and anti-mold

Recommended Effects:



TANG SPLENDOR BROCADE

Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SYG002D permeable primer for art paint	Roller coating	0.1-0.13	1
Background paint	SYG003 interior wall paint for art paint	Spray Coating	0.1-0.13	1
Main material	SYG280 high-hardness velvet art paint	Troweling	0.25-0.4	2
		Line patting	0.13-0.17	
		Spray Coating	0.15-0.2	
Finish-coat	SYG006M better life texture essence (matte)	Roller painting, spray coating	0.1-0.13	1-2

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.9 SYG900F crystal color stone art paint

3TREES crystal color stone art paint is characterized by high hardness, impact resistance, ultra-long service life, well-arranged texture, rich and delicate details. The rough texture of rock balances the cool of space. It is the key point of matching of modern decoration styles.



■ Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.

JC-T 1024-2019 Decorative Render and Plaster for Wall.

GB 8624-2012 Classification for Burning Behavior of Building Materials and Products.

■ Environmental Certification:



■ Product Features:



- Clear texture
- High hardness
- Not easy to crack
- Class A, incombustible (A2)

■ Recommended Effects:



■ Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Main material	SYG900F 3TREES crystal color stone art paint	Troweling and boarding	1.5-2	1-2
Finish-coat	SYG001M 3TREES art paint bright finish-coat paint	Roller painting, spray coating	0.1-0.13	1

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.10 SYG810 3TREES aggregate for art paint

3TREES aggregate for art paint is odorless and environment-friendly. It can create grain coats at random. Its high modeling capability and texture effect achieve the application effect of the art effect and style characteristics.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.
Q/SKSP 021-2019/2018 Water-based Art Paint for Interior Wall.

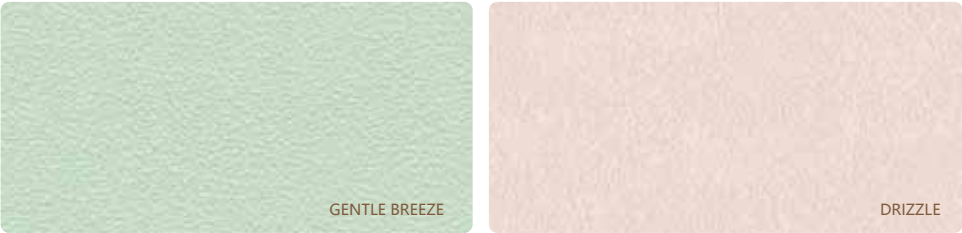


Product Features:



- Water-based environment-friendly
- Strong grain feeling
- Easy construction

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Main material	SYG810 3TREES aggregate for art paint	Roller painting, spray coating	0.56-0.7	1-2
Finish-coat	SYG002M 3TREES art paint matte finish-coat paint	Roller painting, spray coating	0.1-0.13	1

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.11 SYG920 plaster art paint

3TREES plaster art paint has rich expressive force and creates gentle models. Its smooth and glossy veneer is simple and misty, reflects different kinds of luster as the light intensity changes. Light and color change and interlace, removing the baldness and cool of wall, but bringing inspire and art feeling to life.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.

JC-T 1024-2019 Decorative Render and Plaster for Wall.

GB 8624-2012 Classification for Burning Behavior of Building Materials and Products.

Environmental Certification:

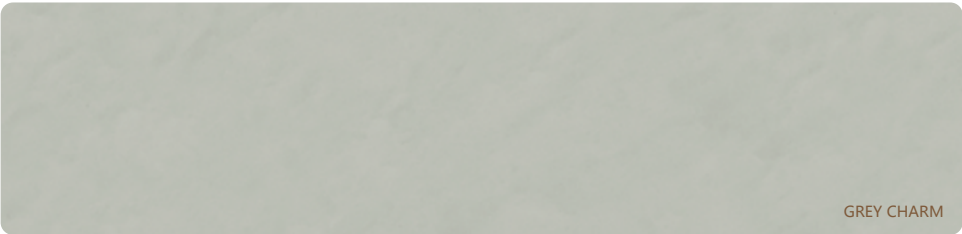


Product Features:



- Water-based environment-friendly
- Class A, incombustible (A1)
- Moistureproof and anti-mold
- Strong odor removal

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	2.0-2.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)		1.0-1.5	2
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Background paint	SYG003 interior wall paint for art paint	Roller painting, spray coating	0.1-0.13	1-2
Main material	SYG920 3TREES plaster art paint	Troweling	0.4-0.5	1-2
Finish-coat	SYG001M 3TREES art paint bright finish-coat paint	Roller painting, spray coating	0.1-0.13	1-2

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.12 SYG210 elegant velvet art paint

3TREES elegant velvet art paint presents bright and gentle texture. The gorgeous luster improves the space style. Tiny spots decorate the wall, manifesting luxury and delicate life taste. Without vanity and noise, it just leaves delight.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.

Q/SKSP 021-2019/2018 Water-based Art Paint for Interior Wall.

Environmental Certification:



Product Features:



- Water-based environment-friendly
- Moistureproof and anti-mold
- Highly alkali-resistant

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SNN602 odorless anti-cracking rough putty	Troweling	2.0-2.5	1
	SNN600N healthy interior wall putty (water-proof)		1.0-1.5	
Primer	SYG002D 3TREES permeable primer for art paint	Roller painting, spray coating	0.10-0.13	1
Intermediate paint	SYG003 interior wall paint for art paint (light, medium, deep)	Roller painting, spray coating	0.13-0.15	1
Main material	SYG210 3TREES elegant velvet art paint	Spray Coating	0.33-0.40	1-2

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.13 SYG910 egg shell light art paint

3TREES egg shell light art paint is a wall decoration coating with the texture and luster like the egg shell. The coating film is characterized by excellent flexibility, strong covering power and smooth touch feeling like skin. Its luster is extremely comfortable, meeting your requirements for space color and light shadow.



Testing Standard:

GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating. HG/T 3950-200 (2017) Antibacterial Coatings
Q/SKSP 021-2019/2018 Water-based Art Paint for Interior Wall.

Environmental Certification:



French Indoor Air Environment Testing A+ Standard



US GREENGUARD Certification (Gold)



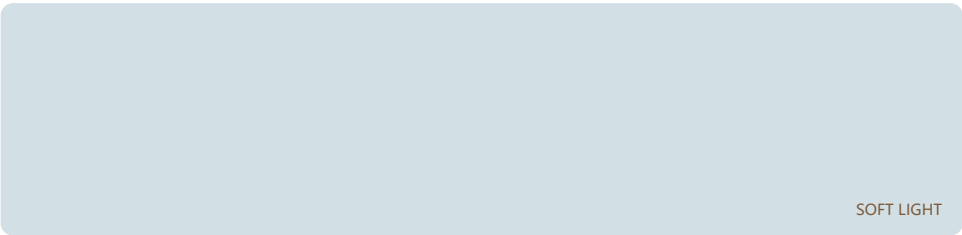
Product Certificate of China Environmental Labeling

Product Features:



- Water-based environment-friendly
- Egg shell luster
- Long-time color retaining
- Easy construction

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m ²	Number of Layers
Putty layer	SNN602 odorless anti-cracking rough putty	Troweling	2.0-2.5	1
	SNN600N healthy interior wall putty (water-proof)		1.0-1.5	
Primer	SYG002D permeable primer for art paint	Roller painting, spray coating	0.1-0.13	1
Main material	SYG910 egg shell light art paint	Spray Coating	0.3-0.5	2-4

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.14 SZG101 Gentle Diatom Ooze

3TREES flower diatom ooze (gentle) selects quality diatomite from Changbai Mountains, adopts new-type active photocatalyst, can efficiently adsorb and decompose formaldehyde, inhibit bacteria and remove odor, and regulate air humidity. Its texture is gentle. It can create rich models, match multiple colors by using professional color card, providing you with a fresh, healthy, warm and comfortable living environment.



Testing Standard:

JCT 2177-2013 Diatomaceous Decorative Interior Wall Materials.

JC-T 1074-2008 Purificatory Performance of Coatings with Air Purification.

Environmental Certification:



Product Features:



- Rich models
- Extraordinary breath humidity regulation
- Efficient formaldehyde decomposition
- Anti-mold and moistureproof

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SNN602 odorless anti-cracking rough putty	Troweling	2.0-2.5	1
	SNN600N healthy interior wall putty (water-proof)		1.0-1.5	
Primer	SYG001D 3Trees Artistic Paint Odorless Primer	Roller painting, spray coating	0.1-0.13	1
Main material	SZG101 3TREES flower diatom ooze (gentle)	Troweling	0.8-1.2	1-2

Remarks: All the theoretical usage is the consumption of one time of coating. The actual consumption is subject to the number of coating times on site.

3.15 SGI790 water-based ceramic bright coating

3TREES water-based ceramic bright coating is a water-based bi-component product that is made from imported bi-component polyurethane, adopts water-based bi-component polyurethane resin as the main film-forming substance, and titanium dioxide, calcium carbonate and other pigments and fillers as aggregates. The paint film surface is smooth, glossy and durable. It is green, environment-friendly, easy to clean, glossy, bright and chemical resistant.



Testing Standard:

GB/T 9756-2018 Synthetic Resin Emulsion Coatings for Interior Wall.
HG/T 4756-2014 Stain Resistant Interior Emulsion Coatings.
GB/T 22374-2018 Floor Coatings.
GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings.

Environmental Certification:



Product Features:



- High gloss
- Stain-resistant
- Easy cleaning
- Acid and alkali resistant

Recommended Effects:



Supporting Products:

Application scenarios	Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Inside walls	Putty layer	SNN602 odorless anti-cracking rough putty	Troweling	2.0-2.5	1
		SNN600N healthy interior wall putty (waterproof)	Troweling	1.0-1.5	1
	Primer	SGD168 Healthy Interior Wall Eco-friendly Primer	Roller coating and spray coating	0.2-0.3	2
	Topcoat	SGI790A water-based ceramic bright coating	Spray Coating	0.35-0.5	
		SGI790B water-based ceramic bright coating curing agent			

Remarks:
1. This product is used within 120min after mixing (25°C), and its service life will be shorter after mixing, if the temperature is higher;
2. Components A and B should be mixed sufficiently and then a proper amount of clean water is add to adjust the viscosity, and the component B and water should not be added at the same time;
3. Bright coating has a high requirement for the evenness of the bottom layer. Construction should be conducted after it is leveled through troweling.

3.16 SGI775 water-based epoxy topcoat for interior wall

3TREES water-based epoxy topcoat for interior wall is a product that uses water-based bi-component epoxy resin as the main film-forming substance, and titanium dioxide, talcum powder and other pigments and fillers as the aggregates. The coating film surface is smooth, beautiful and durable. It is green, environment-friendly, anti-dust, stain-resistant, anti-scrapping and chemical resistant.



Testing Standard:

GB/T 9756-2018 Synthetic Resin Emulsion Coatings for Interior Wall.
GB/T 1741-2007 Test Method for Determining the Resistance of Paints Film to Mold.
HG/T 3950-2007 Antibacterial Coatings
HG/T 4756-2014 Stain Resistant Interior Emulsion Coatings.
GB 18582-2020 Limit of Harmful Substances of Architectural Wall Coatings.

Environmental Certification:



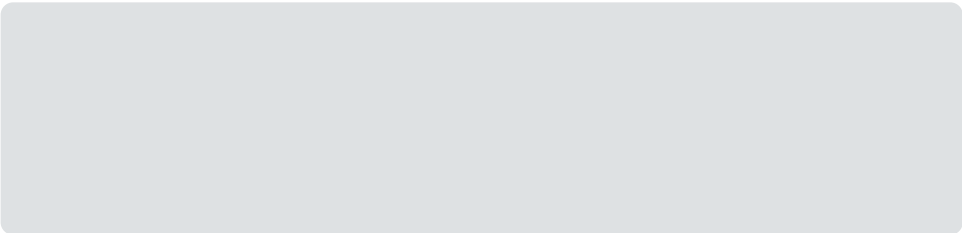
Product Certificate of China
Environmental Labeling

Product Features:



- Water-based environment-friendly
- High hardness
- Stain-resistant and easy to clean
- Anti-dust
- Chemical resistant

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m ²	Number of Layers
Putty layer	SNN602 odorless anti-cracking rough putty	Troweling	2.0-2.5	1
	SNN600N healthy interior wall putty (water-proof)		1.0-1.5	
Primer	SGD153 Anti-mold Interior Wall Primer	Roller painting, spray coating	0.12-0.15	1
Main material	SGI775A water-based epoxy topcoat for interior wall	Roller painting, spray coating	0.35-0.50	1-2
	SGI775B water-based epoxy interior wall curing agent			

Remarks:
1. This product is used within 120min after mixing (25°C), and its service life will be shorter after mixing, if the temperature is higher;
2. Components A and B should be mixed sufficiently and then a proper amount of clean water is add to adjust the viscosity, and the component B and water should not be added at the same time;

3.17 SYG900H Jinghuishi art paint

3TREES Jinghuishi Art Paint offers an effect comparable to natural stone, with diverse colors, clear textures, and a dazzling appearance. It is easier to apply, has high hardness, and is scratch-resistant, making it suitable for large public construction projects, schools, and other high-traffic areas.



Testing Standard:

GB18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.
Q/SKSP021-2019 Water-based Art Paint for Interior Wall.

Environmental Certification:



Product Features:



-  Water-based environment-friendly
-  Rich in colorful speckles
-  Long-time color retaining

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	1.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)			1-2
Primer layer	SYG006D 3TREES Jinghuishi Art Paint Specialized Primer	Roller coating	0.15-0.18	1
Main Material Layer	SYG900H 3TREES Jinghuishi art paint	Troweling	1.8-2.5	2
Finish-coat paint layer	SYG002M 3TREES art paint matte finish-coat paint	Roller painting, spray coating	0.1-0.15	1

Remarks: Theoretical consumption is based on the completed usage. Actual consumption should be determined by the number of coats applied on-site.

3.18 SYG900S Crystal Charm Stone Artistic Paint

3TREES Crystal Charm Stone Artistic Paint is based on water-in-water exterior wall products, with adjusted speckle sizes. It features a soft texture, diverse colors, high hardness, and is washable. It is easy to apply and can replace wallpaper, wall coverings, and similar products.



Testing Standard:

GB18582-2020 Limit of Harmful Substances of Architectural Wall Coatings - Interior Wall Coating.
Q/SKSP021-2019 Water-based Art Paint for Interior Wall.

Environmental Certification:



Product Features:



-  Water-based environment-friendly
-  Extremely hard and scratch resistant
-  Not easy to crack

Recommended Effects:



Supporting Products:

Procedure	Product Name	Construction Method	Consumption kg/m²	Number of Layers
Putty layer	SMN602 Wonderful Life Odorless Crack-Resistant Coarse Base Putty Powder	Troweling	1.5	1
	SMN600N Wonderful Life Healthy Interior Wall Putty (Water-Resistant)			1-2
Primer layer	SYG005D 3TREES permeable primer for art paint	Roller coating	0.1-0.14	1
Background layer	SYG001Z 3TREES Artistic Paint Special Mid-Coat	Spray Coating	0.3-0.4	2
Main Material Layer	SYG900S 3Trees Crystal Charm Stone Artistic Paint	Spray, dry, and then sand it.	0.4-0.6	2
Finish-coat paint layer	SYG005M 3TREES Artistic Paint Special Finish-coat Paint	Roller painting, spray coating	0.1-0.15	1

Remarks: Theoretical consumption is based on the completed usage. Actual consumption should be determined by the number of coats applied on-site.

PART.4

3TREES FOREST BOARD



01 | Engineering Crystal Porcelain Board

3TREES Crystal Porcelain Board is made of high-quality calcium silicate, using internationally advanced high-frequency intelligent printing technology to produce the required patterns. Combined with 3Trees' exclusive healthy formaldehyde-free UV coating, it replicates high-end stone and wood textures. The entire production process involves no formaldehyde addition, ensuring it is green, odorless, and environmentally friendly.

3TREES Crystal Porcelain Board is used for interior decoration and renovation in buildings. As a decorative material for interior walls, it is a new high-end, healthy decoration material suitable for prefabricated interiors. It boasts excellent physical and chemical properties, superior decorative functions, environmental protection, energy efficiency, and achieves A-grade fire resistance (non-combustible). This aligns with the domestic trend towards green industrialization in residential development.

The production of 3TREES Crystal Porcelain Board is convenient, quality is controllable, and it is green and environmentally friendly. It addresses the shortcomings of natural stone, natural wood, and plastic building materials in interior decoration.



Rich Colors



Elegant
Appearance



Impact
Resistant



UV Resistant



Chemical
Corrosion
Resistant



Easy
cleaning



Non-flammable



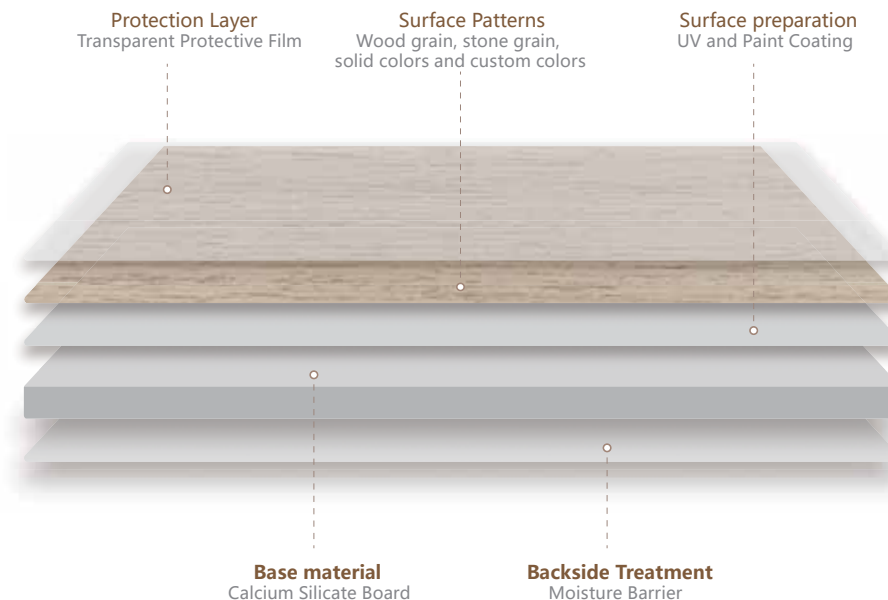
Moisture
resistant



Long
Lifespan



3Trees Crystal Porcelain Board is composed of a moisture-resistant layer, base material layer, protective layer, material layer, and surface treatment. It can be fixed to the interior walls of buildings using conventional adhesive methods or by quickly installing structural components. This effectively avoids damage to the walls from interior piping, and features easy installation, protection of the wall's load-bearing capacity, and simple disassembly and reassembly.



Product Features:

Superior Base Material, Quality Benchmark

- ◆ High-quality B-class base material with a product density of $\geq 1.45\text{g/cm}^3$
- ◆ Heat and moisture resistant, A-grade non-combustible
- ◆ Asbestos-free calcium silicate board: It contains no asbestos and uses no glue; the formaldehyde emissions meet the highest national E NF standards.
- ◆ Bending and impact resistance strength of $\geq$ Grade 3
- ◆ Moisture absorption deformation rate of $\leq 0.1\%$

1. The base material complies with the technical requirements for B-class products in JC/T 564.1-2018 Fiber Reinforced Calcium Silicate Board Part 1: Asbestos-Free Calcium Silicate Board.

B-class base materials are suitable for environments that may endure heat, humidity, and occasional frost over the long term. Examples include underground facilities, alternating hot and humid environments, or outdoor areas not directly exposed to sunlight, rain, snow, or frost; The apparent density should not be less than 1.45g/cm^3 , the bending strength should not be less than R3 grade, and the impact strength or performance should not be less than C3 grade.

Technological Surface, Performance Guarantee

- ◆ Heavy metals and TVOC levels exceed green product standards
- ◆ Paint film hardness not less than 2H
- ◆ Anti-mold level: Grade 0
- ◆ Antibacterial rate: 99.90%
- ◆ Pollution and corrosion resistant
- ◆ More surface options available

1. Using 3TREES Core Technology - Odorless UV Paint: Heavy metals and TVOC levels surpass green product standards, ensuring health with no unpleasant odors.

2. More Customizable Surface Techniques;

3. Matte flat process products can be customized with antibacterial and antiviral functions.

Contribute to Carbon Peaking and Carbon Neutral

3TREES Crystal Porcelain Board can replace categories with high carbon emissions during production, such as tiles, marble, and stone panels, helping to achieve the "carbon neutrality" goals in the decoration and decoration industry. The CO₂ emissions for each ton of Crystal Porcelain Board base material are less than 1 ton, while the CO₂ emissions for each ton of tiles are approximately 35-40 tons.



Recommended Colors for 3Trees Crystal Porcelain Board



Silver Pear Wood
WKJ026-29



Silver Pear Wood
WKJ026-32



Oak
WXM019-01



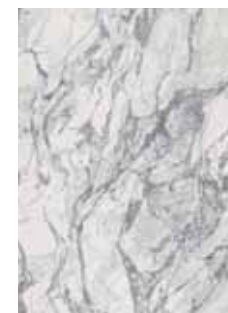
White Oak
WYM007-08



Maple Birch
WFM005-29



Puwoma Rock Plate
SBY001-01



Terrence Gray
SLS007-1-1/1F



Cloisonné Blue
SSS003



Amazon Green
SSS002-1



Frosted White
SLS006



Pandora
SSS001-1-1/2/3/4



Pool White Stone
SLS011-1-1/2/3

3TREES Crystal Porcelain Board Application Scenario

■ Residential Spaces:



■ Office, Hotel, and Commercial Spaces:



■ Healthcare and Wellness Spaces:



PART.5

INSULATION



01 | External Wall Insulation

1.1 Light Radiation Insulation Decorative Board External Wall Insulation System

Product Introduction:

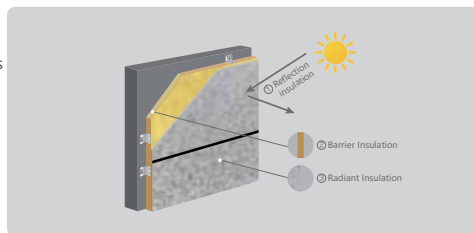
The Light Radiation Insulation Decorative Board is manufactured by applying a reflective thermal insulation coating through surface spraying/rolling and combining it with high-efficiency energy-saving insulation materials. Utilizing ternary thermal insulation technology, this significantly enhances the cooling and thermal insulation effect of the decorative board. It is suitable for new residential buildings, public buildings, and renovation projects in regions south of the Yangtze River.

Applicable Standard:

JG/T 287-2013 Materials for External Wall Insulation Systems with Insulation Decorative Boards

GB/T 25261-2018 Reflective Thermal Insulation Coatings for Buildings

Template Display:



Product Features:

- ◆ Weight Reduction: It provides equivalent thermal insulation effect to (10~20mm) thick insulation materials.
- ◆ Cooling: It can reduce wall surface temperature by (8~10°C).

Application Scenarios:

New Buildings



Renovated Buildings

Before renovation



After renovation



1.2 Nakin Board Insulation Decorative Board External Wall Insulation System

Product Introduction:

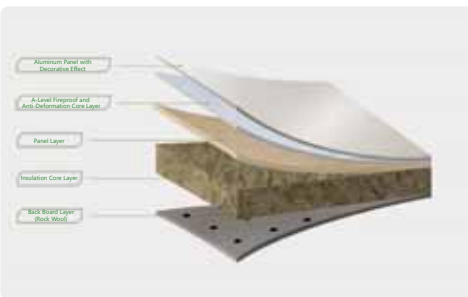
Nakin Board is an innovative patented product independently developed by 3Trees. It is a type of aluminum panel surface insulation decorative board formed using nano-composite technology. It consists of an aluminum panel surface layer with decorative effects, multi-layer inorganic composite board (Class-A fire-resistant and anti-deformation core layer, inorganic panel layer), insulation layer, and backing layer (rock wool). This board has the advantages of being a true aluminum panel, non-deformable, highly decorative, and quick to construct and deliver. It can be widely applied in the high-end energy-saving and decorative integration field of external walls.

Applicable Standard:

JG/T 287-2013 Materials for External Wall Insulation Systems with Insulation Decorative Boards

JG/T 360-2012 Metal Decorative Insulation Board

Product Structure Diagram:



Nakin Board Structural Diagram



Nakin Board Insulation Decorative System Structural Diagram

Product Features:

- True Aluminum Board, Non-Deforming: Utilizing the patented core technology of the Nakin Board, an innovative Class-A fire-resistant and anti-deformation core layer is added between the true aluminum board and the panel layer. By employing nano-composite technology, it effectively addresses issues of delamination and deformation caused by different material expansion coefficients. Additionally, the "sandwich" structure of the board greatly enhances its strength, provides strong impact resistance, and ensures safety and reliability.
- Ultra Durable, Self-Cleaning: The aluminum used is 3003 rust-resistant aluminum. The surface coating employs highly weather-resistant PVDF fluorocarbon coating, processed at high temperatures of 280~330°C. Through color control techniques including surface treatment, fluorocarbon pigment extraction, precise roll coating, high-temperature curing, and cooling, the aluminum board coating achieves high durability, non-fading, and rust resistance. Additionally, an antistatic nano self-cleaning oleophobic coating is applied to achieve a high level of self-cleaning.
- The surface finish offers a variety of colors and textures, with a wide options including metallic effects, stone-like patterns, wood-like patterns, and more. After coating, the film undergoes parallel baking, ensuring no temperature difference and no color difference.
- Short Construction Period, Low Cost: The automated mass production of the boards in the factory eliminates the need for on-site measurements and special processing such as edge folding and punching for each piece. The first batch of orders can be delivered in about 20 days, increasing efficiency by 2-3 times compared to traditional aluminum composite boards. Additionally, the boards can be cut on-site according to design layouts, allowing for quick installation. The construction period is shortened by approximately 30% compared to traditional aluminum composite boards, and the overall construction cost is reduced by about 20%.

Application Scenarios:

Public and Residential Buildings



02 | External and Internal Wall Insulation

2.1 Green Shield Energy-Saving Decorative System Introduction

Product Introduction:

The Green Shield Energy-Saving Decorative System is an integrated building insulation and decoration system composed of an exterior wall reflective thermal insulation coating and an interior wall insulation decorative structure. It is safe, stable, green, and energy-efficient, suitable for new construction, renovation, and expansion of residential and public buildings in regions with hot summers and cold winters, hot summers and warm winters, and mild climates.

The system primarily features aerogel insulation mid-coat for exterior walls and Green Shield inorganic insulation paste for interior walls. Aerogel insulation intermediate paint combines aerogel powder with high-performance water-based resin, offering superior thermal insulation. 3TREES Green Shield Inorganic Insulation Paste is a prefabricated paste-like insulation material developed by the 3Trees Global Research and Development Center for interior walls, designed to inhibit the growth of mold and bacteria.

Applicable Standard:

T/SCDA053 EPIC1 Composite Aerogel Insulation Coating System Application Technical Standard for Buildings

T/SCDA065 SKS Exterior Wall Interior Insulation System Application Technical Standard for Building Insulation Paste

Template Display:



Product Features:

Aerogel Insulation Intermediate paint

- ◆ Energy-Saving Insulation: Low thermal conductivity, excellent thermal insulation.
- ◆ Good Weather Resistance: Anti-aging, long service life.
- ◆ Easy Construction: Excellent workability, can be troweled or machine-sprayed.
- ◆ Safe and Environmentally Friendly: Lightweight and stable, green and non-toxic.

Green Shield Inorganic Insulation Paste

- ◆ Green and Eco-Friendly: Unique anti-mold and antibacterial properties, free from formaldehyde, VOCs, and other harmful substances.
- ◆ Insulation and Thermal Resistance: Low thermal conductivity, stable and long-lasting energy-saving effect.
- ◆ Safety and Fire Resistance: Class A fire performance, high compressive and tensile strength, resistant to cracking and detachment.
- ◆ Easy Construction: Factory prefabricated, no need for water addition, ready for direct application on site, suitable for machine spraying.

Application Scenarios:

Suitable for new public and residential buildings



Suitable for energy-saving renovations of existing buildings



2.2 Formaldehyde-Free Rock Wool Interior Wall Insulation System

Product Introduction:

Formaldehyde-Free Rock Wool is a safe, environmentally friendly insulation material independently developed by 3TREES. It is free from formaldehyde and has a low thermal conductivity. Made from high-quality basalt and other igneous rocks, these natural minerals are melted at high temperatures and spun into inorganic fibers through centrifugal force. The fibers are then combined with an appropriate amount of eco-friendly adhesive and water repellents, and processed through pressing, curing, and cutting into board products.

This product is formaldehyde-free, addressing indoor air pollution issues while also providing fire resistance, insulation, and sound absorption functions.

Applicable Standard:

GB/T 19686-2015 Rock Wool Thermal Insulation Products for Buildings

GB18580-2017 Formaldehyde Emission Standards for Indoor Decoration and Furnishing Materials of Wood-Based Panels and Products

Template Display:



Product Features:

- ◆ **Formaldehyde-Free:** This product uses formaldehyde-free resin, ensuring no formaldehyde or VOCs are produced during the high-temperature curing process. The finished rock wool product contains no formaldehyde or other toxic and harmful substances. The product's performance meets the highest level of NAF certification (No Added Formaldehyde) in California, USA.
- ◆ **Safety and Fire Resistance:** Rock wool is a Class A1 non-combustible fireproof material that can effectively slow down the spread of fire in the event of a fire. It does not produce toxic gases or dripping substances, providing valuable time for ensuring life safety and reducing property loss.
- ◆ **Insulation and Thermal Resistance:** Rock wool fibers are fine, long, and flexible, with low slag content, resulting in a low thermal conductivity (comparable to EPS boards) and excellent insulation performance.
- ◆ **Water Repellent and Moisture Resistant:** Special processing during production imparts excellent water-repellent properties. It also maintains a low moisture absorption rate in high humidity environments, ensuring long-term stable insulation performance.
- ◆ **Durable and Stable:** Improvements in the production process and formulation have increased the product's acidity coefficient (≥ 1.8). A higher acidity coefficient of rock wool enhances its chemical stability and high-temperature resistance, ensuring long-term stable and reliable performance.
- ◆ **Sound Absorption and Noise Reduction:** Rock wool is a typical porous sound-absorbing material with a unique open-pore structure. Its internal fibers are fluffy and intertwined, allowing it to convert sound energy into frictional heat energy, thus dissipating it. This gives rock wool excellent sound absorption and noise reduction properties.

Application Scenarios:

Light Steel Keel Partition Wall: Suitable for light steel keel partition walls in residential buildings, hotels, guesthouses, KTVs, office buildings, shopping malls, and other structures. Primarily used to address sound absorption and noise insulation issues.



Prefabricated Interior Wall System: Suitable for prefabricated interior insulation systems in various buildings. It can also be combined with 3Trees Sci-Tech Board to address insulation, thermal resistance, sound absorption, and noise insulation issues.



PART.6

WATERPROOF SHEET&ATERPROOFING COATING



01 | Waterproof Coating

1.1 SGW230 Green Odorless Plant Oil Polyurethane Waterproof Coating

Product Introduction:

3TREES SGW230 Green Odorless Plant Oil Polyurethane Waterproof Coating is made from isocyanate and polyether polyol as the main reactants, combined with a plant oil-based dispersion system and various additives and fillers through a polymerization reaction. When applied to the construction substrate, the coating reacts with moisture in the air through the —NCO end groups in the polyurethane prepolymer, curing to form a tough, flexible, and seamless waterproof film on the substrate surface. The plant oil dispersion system reduces VOC content and odor, increases solid content, and provides health and safety assurance for users.



Applicable Standard:

The product complies with the requirements for Type I single-component of GB/T 19250-2013 Polyurethane Waterproofing Coating.

Product Features:



-  Unique plant oil dispersion system with low VOC and low odor, reducing harm to construction workers and other contacts;
-  Solid content as high as 92%, far exceeding national standards, resulting in high coverage rates, material savings, and improved construction efficiency;
-  High tolerance to construction environments, with viscosity not easily affected by ambient temperature, maintaining good workability above 5°C;
-  Excellent physical and mechanical properties, with strong resistance to deformation (shrinkage and cracking) and strong adhesion to the substrate;
-  Single-component, ready to use on-site, easy to apply;
-  Moisture-curing to form a film that is resistant to water and corrosion.

Application Scope:

Waterproofing projects in underground structures, bathrooms, kitchens, balconies, pools, and parking lots; non-exposed roofing waterproofing projects.

1.2 SGW721 Green Odorless Water-based Asphalt Waterproof Coating

Product Introduction:

3TREES SGW721 Green Odorless Water-Based Asphalt Waterproof Coating is a non-polluting, non-irritating, high-adhesion, anti-slip, eco-friendly waterproof coating composed of polymer-modified asphalt and selected additives. This coating has strong adhesion, high elongation, and is easy to apply. It performs exceptionally well when used in combination with waterproof membranes.



Applicable Standard:

The product complies with the requirements of JC/T 408-2005 Water Emulsion Asphalt Waterproof Coating.

Product Features:



-  High bonding strength, providing long-lasting adhesion to various substrates without delamination; strong anti-slip capability when applying membranes on vertical surfaces.
-  High elongation, strong crack resistance in the coating, effectively covering substrate cracks.
-  Excellent anti-sagging properties, allowing for 1mm application in a single coat without sagging; the designed thickness can be achieved in 2-3 layers;
-  Easy to apply, with single-component packaging ready for use upon opening; suitable for spraying, troweling, rolling, and brushing.
-  Can be applied directly on wet or dry substrates, with good adhesion to the base.
-  Water-based product, environmentally friendly, odorless, and non-irritating.

Application Scope:

1. Waterproofing for industrial and civil building underground projects and concrete roofing projects.
2. Waterproofing and moisture-proofing for special key areas such as pipe roots and internal/external corners.
3. Used in combination with asphalt membranes to form a high-cost-performance "coating + membrane" composite waterproofing system.

1.3 SGW8100 Green Fresh Water-based Polyurethane Waterproof Coating

Product Introduction:

SGW8100 Green Fresh Water-based Polyurethane Waterproof Coating uses odorless, environmentally friendly, water-based polyurethane dispersions as the base material, combined with various additives and inorganic fillers to create a single-component high-polymer waterproof coating. The coating film exhibits excellent elasticity, tear resistance, adhesion, and exceptional UV resistance and aging performance. It provides long-lasting protection for various substrates and can withstand a certain degree of shrinkage and deformation.

Applicable Standard:

The product complies with the technical requirements of Q/SKSP 070-2019 Water-Based Polyurethane Waterproof Coating, Type II.



Product Features:



-  Ultra-low VOC, low odor, water-based, and environmentally friendly;
-  Outstanding outdoor durability and UV resistance;
-  High strength, good elasticity, excellent crack resistance, able to withstand certain shrinkage and deformation;
-  High adhesion strength, forming a reliable bond;
-  Excellent low-temperature performance (no cracking at -30°C);
-  Single-component, ready to use upon opening.

Application Scope:

Especially suitable for waterproofing projects in confined or semi-confined spaces, widely applicable to indoor buildings, roofs, and underground waterproofing projects, and particularly suitable for new and repair metal roof waterproofing projects.

1.4 SGW9010 Silane-Modified Multi-Purpose Waterproof Coating

Product Introduction:

SGW9010 Silane-Modified Multi-Purpose Waterproof Coating is an eco-friendly waterproof material that is non-polluting and non-irritating. It is made from silane-modified resin as the base polymer, combined with additives, fillers, catalysts, and other components. It cures by reacting with moisture in the air to form a continuous, seamless, high-polymer elastic waterproof membrane.

Applicable Standard:

The product complies with T/CBM F105-2021/T/CWA 203-2021 Silane-Modified Polyether Waterproof Coating



Product Features:

-  Green and eco-friendly, solvent-free, odorless, VOC ≤ 30g/L;
-  Solid content ≥ 98%, with good rubber-like properties; impermeable at 1.0MPa for 120 min, low-temperature flexibility down to -40°C;
-  Cold application, achieving the design thickness (1.5~2.0mm) in a single layer with a dense, bubble-free coating.
-  Rapid film curing, high construction efficiency, touch-dry in 4 hours at room temperature (23°C);
-  Dual functionality of waterproofing and adhesion, can be used as a standalone waterproof coating or combined with polymer membranes to form a composite waterproofing system; can also be used as an adhesive for membranes and insulation boards.
-  Applied and cured in low-temperature environments (-10°C).
-  Excellent adhesion to concrete, stone, wood, metal, insulation boards, and polyurethane.

Application Scope:

Waterproofing for industrial and civil building underground projects and non-exposed roofs; waterproofing for bathrooms, kitchens, balconies, pools, parking lots, and other projects; waterproofing and moisture-proofing for special key areas such as pipe roots and internal/external corners; composite bonding with membranes, integrating waterproofing and insulation bonding.

1.5 SGW108 Two-component Polymer Cement Waterproof Slurry

Product Introduction:

SGW108 two-component polymer cement waterproof slurry is composed of a high-quality modified acrylic copolymer emulsion and various imported additives as the organic liquid component, combined with composite Portland cement and multiple additives as the inorganic powder component. It is scientifically formulated and processed into a two-component waterproof slurry.

Applicable Standard:

The product complies with the requirements of JC/T 2090-2011 Polymer Cement Waterproof Slurry, Type I. The product meets the requirements of GB 55030-2022 General Specifications for Waterproofing in Building and Municipal Engineering.

Packaging Specifications:

Item	Descriptions	
Types	Two-component	
Physical state	Liquid	Powder
Color	White	Grey
Packaging mode	Plastic barrel	Valve Bag
Packaging Specifications	20kg/barrel	22kg/bag *3

Product Features:

- ◆ Water-based coating, green and safe, environmentally friendly;
- ◆ Simple construction;
- ◆ Fast drying;
- ◆ It can be applied on damp surfaces with strong adhesion.

Application Scope:

Suitable for waterproofing and moisture-proofing projects in non-permanently submerged areas such as indoor bathrooms, kitchens, and balconies.
Suitable as one layer in the waterproofing system for exterior walls.



Construction:

When the thickness of the waterproof layer is 1.0mm, the consumption is approximately 2.3kg/m² to 2.6kg/m². (the actual usage depends on the base condition and application thickness)
The mixing ratio of the product is liquid= 1:3.3 (by mass).

Construction Process



Substrate treatment → application of detailed additional waterproof layer → application of large-area waterproof layer → quality inspection and acceptance → application of protective and isolation layers

- ◆ Construction should be carried out at temperatures between 5°C and 35°C. Do not perform construction in rainy weather.
- ◆ Substrate Preparation: The substrate should be level, solid, clean, free of visible water, dust, and oil stains. Round the internal and external corners and pipe roots.
- ◆ Coating Mixing Ratio: Refer to the product certificate for the mixing ratio. First, add the liquid material into the mixing bucket. Gradually add the powder while mechanically stirring until the mixture is uniform. The prepared coating should be used within 30 minutes. Do not add water again during use.

Protective isolation layer construction: In humid conditions, the drying speed of the product will be slower, and the drying time should be appropriately extended. Once the waterproof layer is completely dry, perform a water retention test. After passing the inspection, proceed with the construction of the protective isolation layer according to the design requirements.

Storage and Transportation:

This product is a non-flammable and explosive material and can be transported as general cargo. During transportation, protect from rain, sun exposure, and freezing. Avoid squeezing and collisions to keep the packaging intact.

- ◆ Store in a cool, dry place at 5°C-35°C. Avoid exposure to sunlight, freezing, squeezing, and collisions.
- ◆ Under normal transportation and storage conditions, shell life of the product is 12 months.

Remarks:

- Construction should be carried out at temperatures between 5°C and 35°C. Do not perform construction in rainy weather.
- ◆ Mortar: After mixing the mortar according to the specified ratio, use it within 30 min. Do not add water again during use.
 - ◆ Drying Time: The coating takes 1-2 days to fully dry. In humid environments, extend the drying time appropriately.
 - ◆ Conduct a water immersion test only after the coating is completely dry. After passing the inspection, proceed with the construction of the protective isolation layer according to the design requirements.

02 | Waterproof Membrane

2.1 Thermoplastic Polyolefin (TPO) Waterproof Membrane

Product Introduction:

3TREES Thermoplastic Polyolefin (TPO) series waterproof membrane, abbreviated as TPO waterproof membrane, is made using advanced polymerization technology to polymerize ethylene and propylene monomers. It combines the elasticity of rubber and the processability of plastic, using thermoplastic polyolefin resin as the base material. Supplemented with high-quality polymer additives and pigments/fillers, it is manufactured into sheet-like polymer waterproof material through advanced extrusion and calendaring processes.

Application Scope:

SWF805 Fabric Reinforced (P) Waterproof Membrane: Suitable for mechanically fastened roofing waterproof systems;

SGW806 Homogeneous (H) Waterproof Membrane: Mainly used as flashing material;

SGW807 Fiber-Backed (L) Waterproof Membrane: Suitable for fully bonded substrate systems;

SWF840 Thermoplastic Polyolefin (TPO) Self-Adhesive Waterproof Membrane: Suitable for non-exposed applications in industrial and civil building roofs, underground waterproofing projects, and municipal infrastructure waterproofing projects;

SWF860 Thermoplastic Polyolefin (TPO) Composite Waterproof Membrane: Suitable for fully bonded or coating-laminated roofing projects.

Applicable Standard:

The product complies with the requirements of GB 27789-2011

Thermoplastic Polyolefin (TPO) Waterproof Membrane.

Thickness/mm	Width/mm	Area/cm ²
1.2、1.5、2.0	2000	40

Types: Homogeneous (H), Fiber-Backed (L), Fabric Reinforced (P)
Remarks: Production of waterproof membranes in other specifications and sizes can be determined through negotiation between the supplier and the customer.

Product Features:



Hot Air Welding
Lap seams are welded using hot air, providing high seam peel strength and forming a safe and reliable waterproof layer;



Excellent Low-Temperature Performance
Maintains flexibility at -40 ° C, suitable for use in extremely cold regions.



Root Penetration Resistance
The dense molecular structure and superior seam strength provide excellent physical root barrier capabilities;



Ultra-long weather resistance and service life
Plasticizer-free, offering exceptional aging resistance.



Anti-corrosion
Superior chemical and biological corrosion resistance, withstanding environments with acids, alkalis, and salts;



Energy saving and environmental friendly
The light-colored surface has excellent reflectivity, capable of reflecting most of the sun's radiation and reducing energy consumption;



Multiple Colors
Available in a variety of colors beyond the standard light colors, enhancing the aesthetic of the roof environment.



2.2 SWF630 Non-bitumen Based High-polymer Self-adhesive Membrane Waterproof Membrane

Product Introduction:

3TREES SWF630 Non-Asphalt-Based Polymer Self-Adhesive Waterproof Membrane uses specially formulated high-density polyethylene (HDPE) film as the main waterproof layer. The sheet is equipped with a polymer self-adhesive layer and an anti-adhesion protective layer, designed for pre-applied and inverted waterproofing construction methods.

Applicable Standard:

The product complies with the requirements of GB/T 23457-2017 Pre-Applied Waterproof Membrane.



Product Features:



Excellent Reverse Bonding Effect: The membrane forms a strong adhesive waterproof layer with the post-cast concrete structure. Substrate settlement and deformation do not affect its waterproof performance, enhancing the reliability of the waterproof layer.



Strong self-healing properties, with the ability to self-repair minor construction damage;



Easy Construction: It can be applied year-round, and once completed, it does not affect the continuation of subsequent construction activities.



Excellent Anti-Water Migration: It prevents water from seeping into the gaps between the membrane and the structure, providing long-lasting and effective prevention of interlayer water migration.



Strong Chemical Corrosion Resistance: Highly resistant to alkaline water from concrete, unaffected by household waste and biological attacks, anti-mold, and corrosion-resistant;



Green and Environmentally Friendly: Cold application without heating hazards, no adhesive needed, and no water pollution.

Application Scope:

Suitable for various underground structures, caverns, tunnels, subways, municipal construction, and other waterproofing and anti-seepage projects.

2.3 3Trees Everlasting Build Series Waterproof Membrane

Product Introduction:

The 3Trees Everlasting Build Series Waterproof Membrane, developed through a 2-year research effort by 3TREES Waterproof in collaboration with the Haixi Institute of the Chinese Academy of Sciences, is a groundbreaking product in the industry. This series is the first to adopt a "Zero glue powder" formula, enhancing the durability of the membrane to nearly three times the national standard benchmark, setting a "milestone" upgrade in the industry!

Applicable Standard:

The product performance complies with the technical specifications of Q/SKSP 090-2020 Everlasting Build Modified Bitumen Waterproof Membrane.



Product Features:



Environmentally friendly:
The industry's first fully enclosed feeding system, achieving an environmentally friendly production process.



No added rubber powder:
The everlasting build series modified bitumen waterproof membrane features zero glue powder addition, making it green and environmentally friendly.



Long-Lasting Waterproof Efficiency:
The durability typically reaches three times that of the national standard membranes, providing more enduring waterproof effects.

Application Scope:

Widely used in waterproofing projects across various fields and types of buildings; waterproofing for roofs of various industrial and civil buildings; underground waterproofing for various industrial and civil buildings; waterproofing for concrete structures such as water tanks, pools, subways, bridges, tunnels, and municipal facilities.

2.4 SGW616 Self-Adhesive Root-Penetration Resistant Waterproof Membrane

Product Introduction:

3TREES SGW616 Self-Adhesive Root-Penetration Resistant Waterproof Membrane is reinforced with polyester felt and incorporates imported chemical root inhibitors. Modified bitumen with butyl and styrene-butadiene polymers is used as the self-adhesive material. It is manufactured through a special composite process, offering excellent waterproofing performance while preventing plant root penetration.

Applicable Standard:

GB 23441-2009 Self-Adhesive Polymer Modified Bitumen Waterproof Membrane
GB/T 35468-2017 Root Puncture-resistant Waterproof Membrane for Green Roofs.



Product Features:



Effective permanent prevention of plant root penetration. Prevents roots from penetrating the membrane, maintaining the integrity of the waterproof layer.



Prevents root penetration without affecting normal plant growth;



High tensile strength, with a thick modified bitumen coating layer, providing strong adaptability to substrate shrinkage, deformation, and cracking;



Resistant to excellent high and low temperature, suitable for both hot and cold regions.



Resistant to corrosion, mildew, and weathering.

Application Scope:

Especially suitable for greening projects in special spaces, primarily used for green roofs, parking garage planting decks, balconies, terraces, rooftops, walls, overpasses, and other buildings and structures in greening-related waterproofing projects.

PART.7

FLOOR COATING



01 | Epoxy Floor

1.1 Water-based epoxy floor

Product Introduction:

3TREES Water-based epoxy floor coating is a versatile, two-component, seamless, high-performance Water-based epoxy floor coating. The coating surface is smooth and beautiful, with soft luster and long-lasting durability.

It is suitable for environments requiring high environmental standards, such as production workshops in the food, pharmaceutical, and electronics industries, as well as large underground parking lots, schools and kindergartens, shopping malls, and concrete floors in shopping centers.

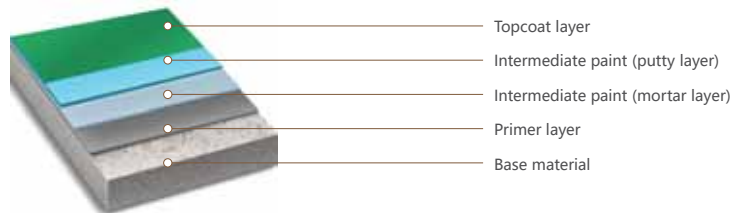
Product Features:

- ◆ Completely water-based system, environmentally friendly;
- ◆ Dustproof, moisture-resistant, and wear-resistant, easy to clean'
- ◆ Good vapor permeability, suitable for construction in humid environment.
- ◆ Paint film with soft lustre, resistant to corrosion by acid, alkali, salt and oil.

Product Indicators:

Item		Technical Indicator	Test Standard
Color and appearance		Consistent color, smooth and flat surface	As specified in GB/T 22374-2018 section 6.3.4
Drying time / h	Surface Dry	≤ 8	GB/T 1728-1979(2004)
	Hard dry	≤ 48	GB/T 1728-1979(2004)
Pencil hardness	≥	2H	GB/T 6739-2006
Abrasion resistance (750g/500r), g	≤	0.050	GB/T 1768-2006, CS-17 sand wheel
Impact resistance		1000g steel ball, 100cm high, no cracks, no peeling of the coating	As specified in GB/T 22374-2018 section 6.4.10.
Water resistance: 168h		No blistering, no peeling, slight discoloration is allowed and it will recover after 2h	GB/T 9274-1988 (2004)
Alkali resistance (20%NaOH), 72 h		No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Acid resistance (10% H ₂ SO ₄) 48h		No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Oil resistance (120# solvent gasoline) 72h		No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)

Standardized Product System:



Primer

3TREES Water-based epoxy primer SDP-102

Intermediate Paint

3TREES Water-based epoxy mid-coat paint SDP-202

Topcoat

3TREES Water-based epoxy topcoat SDP-402

Standard Construction Process:

Construction process



1. Substrate Treatment: New concrete substrates must exceed the curing period (over 28 days of curing). The concrete must be flat, solid, clean, and dry. The compressive strength of the concrete should be above 25 MPa, bonding strength above 1.5 MPa, and moisture content below 6%. The substrate should be treated with sandblasting or grinding to remove cement laitance and achieve a moderately rough surface. Protrusions should be ground flat, and cracks and holes should be filled and leveled with epoxy mortar. Before applying the coating, all contaminants such as dust, oil, wax, old paint, and loose materials must be removed from the surface.

2. Priming: Before priming, ensure the surface is free of dust and loose sand particles. Use water-based epoxy primer (SDP-102) for priming, applying it with a standard roller brush to reinforce the substrate, seal the capillary pores of the cement surface, and enhance paint adhesion. Ensure even coating and complete coverage.

3. Apply mortar: Use water-based epoxy intermediate paint (SDP-202) mixed with an appropriate amount of 40-100 mesh quartz sand. Apply it with a trowel in multiple layers to the desired thickness, ensuring that the mortar surface particles are uniform and no sand particles fall off.

4. Apply putty: Use water-based epoxy intermediate paint (SDP-202) mixed with an appropriate amount of quartz powder or talcum powder to prepare putty. Apply one layer, and after drying, sand down any trowel marks or defects and clean thoroughly. Then, apply another layer of the same putty without sanding. Ensure there is no base exposure, no loose sand, a smooth surface, no sand holes, and no protrusions.

5. Topcoat: roll or spray 1-2 layers with water-based epoxy topcoat (SDP-402), ensuring uniform color with no visible brush strokes or joints, no base exposure, and no bubbling.

Construction parameters

- ◆ Mixing Ratio (by weight): SDP-402A: SDP-402B = 4:1 (the intermediate and base coats also follow the weight ratio of components A and B as per the packaging).
- ◆ Service Life after Mixing (25°C): 30 minutes. The higher the temperature, the shorter the service life after mixing works. Once the ambient temperature is 15~30°C during construction.
- ◆ Thinner: If it is necessary to reduce the application viscosity, you can add up to 10% of the paint weight in thinner, which is tap water.
- ◆ Drying Time: Touch dry: ≤8 hours; Fully dry: ≤48 hours.
- ◆ Recoating Interval: After the coating is completely dried, it can proceed to the next process of construction. Generally, the interval time in the standard environment is 24 hours;
- ◆ Remarks: The drying time is measured under standard conditions (25° C, 50% relative humidity) and is for reference only. The drying speed varies significantly under different temperatures and humidity levels and is also influenced by factors such as film thickness, ventilation conditions, and the underlying coating. Generally, the drying time shortens as the temperature increases while it lengthens as the temperature decreases.

Construction Method

- ◆ Roll coating: used for large-area construction.
- ◆ Spray: Use airless spray equipment.
- ◆ Brush application: When using in small areas and corners, a soft-bristled brush should be used.

Application restrictions

This product is not suitable for use in places exposed to direct sunlight or where ultraviolet intensity is relatively high.

Cleansing

Upon completion of the construction, clean the painting tools and equipment with clean water. For paint stains that have already cured, remove them using mechanical methods.

1.2 Solvent-Free Epoxy Colored Sand Floor

Product Introduction:

Solvent-free epoxy colored sand self-leveling floor is a two-component, self-leveling, seamless, high-performance thick coating floor coating produced by combining high-quality lightweight ceramic sand and special epoxy resin materials. It features a thick single-coat application, strong colored sand texture, eco-friendliness, high-end appearance, and long-lasting durability, suitable for areas with high flooring standards.

Product Features:

- ◆ Colorful, strong decorative effect;
- ◆ High cleanliness, no splicing marks;
- ◆ Simple construction, long service life, convenient refurbishment.
- ◆ Resistant to wear, scratch, heavy load, strong pressure and impact;
- ◆ Solvent-free system, compliant with environmental protection requirements;

Product Indicators:

Item		Technical Indicator	Test Standard
Color and appearance		Consistent color, smooth and flat surface	As specified in GB/T 22374-2018 section 6.3.4
Drying time / h	Surface Dry	≤ 8	GB/T 1728-1979(2004)
	Hard dry	≤ 48	GB/T 1728-1979(2004)
Initial fluidity, mm	≥	140	JC/T985-2017 7.3
Hardness (Shore Durometer, Type D)	≥	75	GB/T 2411-2008
Abrasion resistance (750g/500r), g	≤	0.03	GB/T 1768-2006, CS-17 sand wheel
Impact resistance		1000g steel ball, 100cm high, no cracks, no peeling of the coating	As specified in GB/T 22374-2018 section 6.4.10
Compressive strength, MPa	≥	45	As specified in GB/T 22374-2018 section 6.3.8
Tensile bond strength, MPa	≥	2	As specified in GB/T 22374-2018 section 6.3.9
Alkali resistance (20% NaOH) 72h		No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Acid resistance (10% H2SO4) 48h		No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Gasoline resistance, 120 # 72h		No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Water resistance, 168h		The coating film is complete, with no blistering, no peeling, slight discoloration is allowed and it will recover after 2 hours.	GB/T 9274-1988 (2004)

Standardized Product System:



1.3 Epoxy Conductive / Antistatic Self-Leveling Floor

Product Introduction:

Epoxy Conductive/Antistatic Self-Leveling Topcoat is a high-performance, thick-coating, conductive/antistatic epoxy flooring paint that is seamless and self-leveling. It is made from high-quality epoxy resin and conductive carbon fiber, and comes as a two-component system designed for antistatic flooring applications.

It features excellent conductive/antistatic performance, long-lasting effect, chemical corrosion resistance, smooth and beautiful surface, and long-lasting durability.



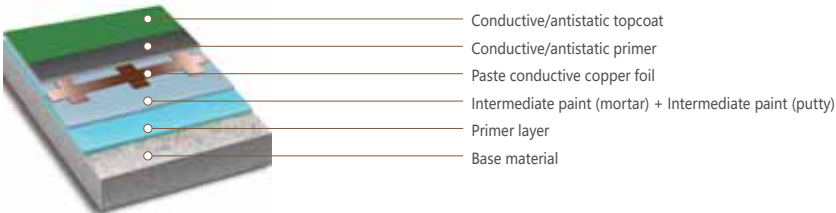
Product Features:

- ◆ Quick leakage of electrostatic charge;
- ◆ Smooth and beautiful surface with mirror effect;
- ◆ Abrasion resistance, compression resistance and impact resistance;
- ◆ Resistant to corrosion by acid, alkali, salt and oil.

Product Indicators:

Item			Technical Indicator	Test Standard
Color and appearance			Consistent color, smooth and flat surface	As specified in GB/T 22374-2018 section 6.3.4
Drying time / h	Surface Dry	≤	8	GB/T 1728-1979(2004)
	Hard dry	≤	48	GB/T 1728-1979(2004)
Initial fluidity, mm			≥ 140	JC/T985-2017 7.3
Hardness (Shore Durometer, Type D)			≥ 70	GB/T 2411-2008
Abrasion resistance (750g/500r), g			≤ 0.03	GB/T1768-2006, CS-17 sand wheel
Impact resistance			1000g steel ball, 100cm high, no cracks, no peeling of the coating	As specified in GB/T 22374-2018 section 6.4.10
Compressive strength, MPa			≥ 45	As specified in GB/T 22374-2018 section 6.3.8
Tensile bond strength, MPa			≥ 2	As specified in GB/T 22374-2008, section 6.3.9
Alkali resistance (20% NaOH), 72h			No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Acid resistance (10% H ₂ SO ₄) 48h			No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Gasoline resistance, 120 # 72h			No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Water resistance, 168h			The coating film is complete, with no blistering, no peeling, slight discoloration is allowed and it will recover after 2 hours.	GB/T 9274-1988 (2004)
Surface resistance, volume resistance Ω			1×10 ⁶ ~1×10 ⁹	SJ/T 11294-2003

Standardized Product System:



Primer

Topcoat

3TREES Epoxy Conductive / Antistatic Primer SDP-103/SDP-104 3TREES Epoxy Conductive / Antistatic Self-leveling Topcoat SDP-306/SDP-307

02 | Water-Based Polyurethane Floor

2.1 Water-based polyurethane floor

Product Introduction:

This product is a water-based polyurethane matte finish-coat varnish floor material. It is a two-component, seamless, high-performance floor coating made from high-quality polyurethane resin, wear-resistant materials, and weather-resistant curing agents, providing a semi-gloss textured finish.

Product Features:

- ◆ Completely water-based system, environmentally friendly; Good vapor permeability, suitable for construction in humid environment;
- ◆ Dustproof, moisture-resistant, and wear-resistant, easy to clean;
- ◆ The coating film is matte, resistant to acid, alkali, salt, and oil corrosion, and has elasticity.

Application Scenarios:

Especially suitable for hospitals, instrument rooms, commercial floor, lightly corrosive industrial workshop floors, and decorative floor in the optoelectronics industry. It can be used outdoors, with resistance to yellowing. It offers better elasticity and wear resistance.



Applicable Standard:

Applicable Standard: GB/T 22374 Floor Coating Material, Type S.

Standardized Product System:



Primer

Intermediate Paint

Topcoat

Finish-coat

SDP-105 SDP-201 SDP-301 SDP-415

2.2 Solvent-free polyurethane floor

Product Introduction:

3TREES solvent-free polyurethane topcoat is a high-performance floor coating produced from high-quality raw materials. It is a two-component, solvent-free coating that can be applied in thick layers. It features a smooth and beautiful surface and long-lasting durability.

It is suitable for industries requiring wear resistance, heavy load resistance, impact resistance, and chemical corrosion resistance, such as the machinery, chemical, food, and pharmaceutical industries. It can also be used in hospitals, schools, offices, and underground parking lots.



Product Features:

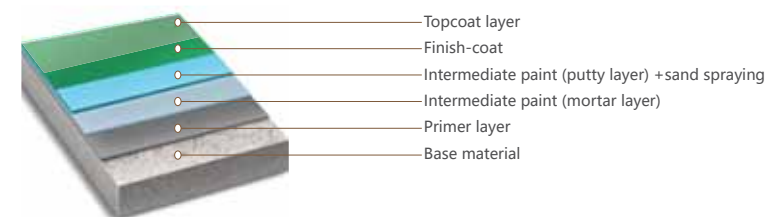
- ◆ Curable at low temperature;
- ◆ Resistant to corrosion by acid, alkali, salt and oil;
- ◆ Abrasion resistance, compression resistance and impact resistance;
- ◆ Wide adjusting range of hardness, elasticity, and strength.

Product Indicators:

Item			Technical Indicator	Test Standard
Color and appearance			Consistent color, smooth and flat surface	As specified in GB/T 22374-2018 section 6.3.4
Drying time / h	Surface Dry	≤	8	GB/T 1728-1979(2004)
	Hard dry	≤	48	GB/T 1728-1979(2004)
Hardness (Shore Durometer, Type D)			≥ 45	GB/T 2411-2008
Abrasion resistance (750g/500r), g			≤ 0.03	GB/T1768-2006, CS-17 sand wheel
Impact resistance			1000g steel ball, 100cm high, no cracks, no peeling of the coating	As specified in GB/T 22374-2018 section 6.4.10
Compressive strength, MPa			≥ 80	GB/T 2567-2008
Tensile bond strength, MPa			≥ 2	As specified in GB/T 22374-2018 section 6.3.9
Alkali resistance (20%NaOH), 72 h			No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Acid resistance (10% H ₂ SO ₄) for 48h			No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Gasoline resistance, 120 # 72h			No blistering, no peeling, with slight discoloration	GB/T 9274-1988 (2004)
Water resistance, 168h			The coating film is complete, with no blistering, no peeling, slight discoloration is allowed and it will recover after 2 hours	GB/T 9274-1988 (2004)

Remarks: A weather-resistant polyurethane finish-coat must be added when the product is used outdoor.

Standardized Product System:



Primer	Intermediate Paint	Topcoat	Finish-coat
3TREES Solvent-free Polyurethane Primer SDP-106	3TREES Solvent-free Polyurethane Intermediate Paint SDP-106	3TREES Solvent-Free Polyurethane Topcoat SDP-318	Solvent-Free Polyurethane Super Wear-Resistant Finish-coat SDP-419

PART.8

INDUSTRIAL COATING



01 | Water-based Industrial Coatings System

1.1 Water-Based Acrylic Primer and Topcoat All-in-One

Product Features:

1. Low VOC content, uses water as a diluent, posing minimal health and environmental hazards to construction workers and the environment;
2. Free from heavy metals and radioactive substances, with a milder odor compared to traditional solvent-based products;
3. Excellent weather resistance and color retention, providing superior decorative effects;
4. Outstanding construction performance and initial water resistance;
5. Excellent physical and mechanical properties;
6. Good corrosion resistance and chemical resistance (for dual-component products).



Industrial Plant Steel Structure Water-based Coating Solution (Referencing ISO 12944-2017 Corrosion Categories and System Design)

3TREES Industrial Coatings has developed a water-based coating system for the protection needs of steel structures. It provides users with eco-friendly, safe, high-performance, and easy-to-apply protective solutions for their valuable assets.

A. Suitable for short to medium-term corrosion protection of steel structures in environments below C3 corrosion level

Corrosion Level	Protection Duration	Coating	Coating Types	Number of Layers	Recommended Dry Film Thickness (μm)
C2	Less than 7 years	Primer and Topcoat Integrated Paint	3TREES Water-Based Alkyd/Acrylic Steel Structure Paint	2	60-80
				Total Film Thickness	60-80
	7-15 years	Primer	3TREES Water-based Acrylic Primer	2	70-80
		Topcoat	3TREES Water-based Acrylic Topcoat	1	30-40
				Total Film Thickness	100-120
C3	Less than 7 years	Primer and Topcoat Integrated Paint	3TREES Water-based Acrylic Primer and Topcoat Integrated Paint	3-4	100-120
				Total Film Thickness	100-120
		Primer	3TREES Water-based Alkyd Primer	2	70-80
		Topcoat	3TREES Water-based Alkyd Topcoat	1	30-40
				Total Film Thickness	100-120

B. Suitable for medium to long-term corrosion protection of steel structures in C3 - C4 corrosion environments

Corrosion Level	Protection Duration	Coating	Coating Types	Number of Layers	Recommended Dry Film Thickness (μm)
C3	7-15 years	Primer	3TREES Water-based General-Purpose Epoxy Primer	1	60
		Topcoat	3TREES Water-based Acrylic Polyurethane Topcoat	2	60-80
				Total Film Thickness	120-140
	15-25 years	Primer	3TREES Water-based General-Purpose Epoxy Primer	1	60
		Intermediate paint	3TREES Water-based Epoxy Intermediate paint	1	60-80
		Topcoat	3TREES Water-based Acrylic Polyurethane Topcoat	2	60-80
C4	7-15 years			Total Film Thickness	180-220
		Primer	3TREES Water-based Epoxy Zinc-rich Primer	1	40-60
		Intermediate paint	3TREES Water-based Epoxy Intermediate paint	1	60-80
		Topcoat	3TREES Water-based Acrylic Polyurethane Topcoat	2	60-80
	15-25 years			Total Film Thickness	160-220
		Primer	3TREES Water-based Epoxy Zinc-rich Primer	1	60
		Intermediate paint	3Trees Water-Based Epoxy MIO (Micaceous Iron Oxide)	1	100-120
		Topcoat	Intermediate paint	2	60-80
			3Trees Water-Based Acrylic Polyurethane Topcoat / 3Trees Water-Based Fluorocarbon Topcoat	Total Film Thickness	220-260

Remarks: The above corrosion protection is only a recommended value. Depending on the intensity of environmental corrosion, when specifying coating designs, increase the number of coats and the thickness of the coating as per technical experience to extend the protection period of the coating system. Additionally, coating systems for high-corrosion environments can be suitable for lower corrosion levels, such as C3 systems being applicable to C2.



02 | High-Solid Two-Component Industrial Coating System

2.1 Graphene Heavy-Duty Anti-Corrosion System

Product Features:

1. Environmentally friendly high-solids products, reducing VOC emission;
2. Free from heavy metals and radioactive substances;
3. Excellent weather resistance and color retention, providing superior decorative effects;
4. Excellent physical and mechanical properties;
5. Excellent resistance to acid, alkali, and salt corrosion;
6. Superior workability and adaptability.



Protective Solutions for Civil Building Steel Structures (New) (Referencing ISO-12944-2017 Corrosion Classification and System Design)

Civil steel structure buildings, especially high-rises, large landmarks, and venue-type structures designed for long service life require high safety and aesthetic standards, and they are difficult to maintain, and are costly, so long-term anti-corrosion is usually opted.

Corrosion Level	Protection Duration	Coating	Coating Types	Number of Layers	Recommended Dry Film Thickness (μm)
C3	7-15 years	Primer	3TREES General-purpose Epoxy Primer	1	60-80
		Topcoat	3TREES Polyurethane Topcoat	1-2	60-80
				Total Film Thickness	120-160
	15-25 years	Primer	3TREES General-purpose Epoxy Primer	1	60
		Intermediate paint	3TREES Epoxy MIO Intermediate paint	1	60-80
		Topcoat	3TREES Polyurethane Topcoat	1-2	60-80
C4	7-15 years			Total Film Thickness	180-220
		Primer	3TREES Graphene Zinc Primer	1	50
		Intermediate paint	3TREES Epoxy MIO Intermediate paint	1	80
		Topcoat	3TREES Polyurethane Topcoat	1	50
	15-25 years			Total Film Thickness	180
		Primer	3TREES Graphene Zinc Primer	1	50
		Intermediate paint	3TREES Epoxy MIO Intermediate paint	1-2	100
		Topcoat	3TREES Fluorocarbon Topcoat	1	50
	>25 years			Total Film Thickness	200
		Primer	3TREES Graphene Zinc Primer	1	50
		Intermediate paint	3TREES Epoxy MIO Intermediate paint	1-2	160
		Topcoat	3TREES Fluorocarbon Topcoat	1	50
C5	15-25 years			Total Film Thickness	260
		Primer	3TREES Graphene Zinc Primer	1	50
		Intermediate paint	3TREES Epoxy MIO Intermediate paint	1-2	160
		Topcoat	3TREES Fluorocarbon Topcoat	1	50
	>25 years			Total Film Thickness	260
		Primer	3TREES Graphene Zinc Primer	1	50
		Intermediate paint	3TREES Epoxy MIO Intermediate paint	1-2	200
		Topcoat	3TREES Fluorocarbon Topcoat	1-2	70
				Total Film Thickness	320

Remarks: The above corrosion protection is only a recommended value. Depending on the intensity of environmental corrosion, when specifying coating designs, increase the number of coats and the thickness of the coating as per technical experience to extend the protection period of the coating system. Additionally, coating systems for high-corrosion environments can be suitable for lower corrosion levels, such as C3 systems being applicable to C2.

■ **Protective Solutions for Civil Building Steel Structures (Renovation) (Referencing ISO-12944-2017 Corrosion Classification and System Design)**

3TREES Industrial Coatings are high-solid content products developed for the objective conditions such as difficult coating construction of refurbished steel structures, short construction period, and poor rust removal quality. They can form a thick film in one application, saving time and labor. By adopting low surface treatment technology, the primer has high surface tolerance, and allows for application on wet and rusty surfaces.

Corrosion Level	Protection Duration	Coating	Coating Types	Number of Layers	Recommended Dry Film Thickness (μm)
C3	7-15 years	Primer	3TREES General-purpose Epoxy Primer	1	60-80
		Topcoat	3TREES Acrylic Polyurethane Topcoat	1-2	60-80
				Total Film Thickness	120-160
	15-25 years	Primer	3TREES General-purpose Epoxy Primer	1	60-80
		Intermediate paint	3TREES Epoxy Intermediate Paint	1-2	60-80
		Topcoat	3TREES Acrylic Polyurethane Topcoat	2	60-80
C4	7-15 years			Total Film Thickness	180-240
		Primer	3TREES General-purpose Epoxy Primer	1	60-80
		Intermediate paint	3TREES Epoxy Intermediate Paint	1	100
		Topcoat	3TREES Acrylic Polyurethane Topcoat	1-2	60-80
	15-25 years			Total Film Thickness	220-260
		Primer	3TREES General-purpose Epoxy Primer	1	60-80
		Intermediate paint	3TREES Epoxy Intermediate Paint	1-2	120-140
		Topcoat	3TREES Fluorocarbon Topcoat	2	60-80
				Total Film Thickness	240-300

Remarks: The above corrosion protection is only a recommended value. Depending on the intensity of environmental corrosion, when specifying coating designs, increase the number of coats and the thickness of the coating as per technical experience to extend the protection period of the coating system. Additionally, coating systems for high-corrosion environments can be suitable for lower corrosion levels, such as C3 systems being applicable to C2.

■ **Concrete Component Protection Solution**

Coating	Coating Types	Number of Layers	Minimum Dry Film Thickness (μm)
Sealing primer	Epoxy Seal Primer	1	20
Intermediate paint	Epoxy MIO (Micaceous Iron Oxide) Intermediate Paint	1	100
Topcoat	Polyurethane / Fluorocarbon Topcoat	1-2	60-80
		Total Film Thickness	180-200



■ General Industrial Equipment Protection Solutions (Referencing ISO 12944-2017 Corrosion Categories and System Design)

Industrial integrated equipment spans a wide range of fields, including shield machines, vacuum pumps, transformers, modular mobile homes, heat exchangers, complete sets of equipment, units, and air conditioning fan equipment. 3TREES Industrial Coatings provide a comprehensive protection solution for industrial equipment, developing specific products for different equipment substrates and construction environments. This effectively delays the hazard of corrosion, helps to preserve the precision and performance of mechanical equipment, and significantly extends its service life.



Corrosion Level	Protection Duration	Coating	Coating Types	Number of Layers	Recommended Dry Film Thickness (μm)
C3	Carbon steel	Primer	3TREES General-purpose Epoxy Primer	1-2	60-80
		Topcoat	3TREES Acrylic Polyurethane Topcoat	1-2	60-80
				Total Film Thickness	120-160
	Hot-dip galvanized aluminum, stainless steel, etc.	Primer	3TREES Epoxy Zinc Phosphate Primer	1-2	60-80
		Topcoat	3TREES Acrylic Polyurethane Topcoat	1-2	60-80
				Total Film Thickness	120-160
C4	Carbon steel	Primer	3TREES General-purpose Epoxy Primer	1	60
		Intermediate paint	3TREES Epoxy Intermediate Paint	1	60-80
		Topcoat	3TREES Acrylic Polyurethane Topcoat	1-2	60-80
				Total Film Thickness	180-220
	Hot-dip galvanized aluminum, stainless steel, etc.	Primer	3TREES Epoxy Zinc Phosphate Primer	1	60
		Intermediate paint	3TREES Epoxy Intermediate Paint	1-2	60-80
		Topcoat	3TREES Acrylic Polyurethane Topcoat	1-2	60-80
				Total Film Thickness	180-220

Remarks: The above corrosion protection is only a recommended value. Depending on the intensity of environmental corrosion, when specifying coating designs, increase the number of coats and the thickness of the coating as per technical experience to extend the protection period of the coating system. Additionally, coating systems for high-corrosion environments can be suitable for lower corrosion levels, such as C3 systems being applicable to C2.

■ Civil Concrete Protection Solutions

A large number of civil engineering projects use concrete structures, but if the concrete surfaces are not protected, it may lead to the corrosion of the steel reinforcement. The volume of the rust formed can expand six times, causing cracks in the concrete and ultimately leading to the overall damage to the concrete, losing its original strength. 3TREES anti-carbonation paint forms a special film on concrete surfaces, preventing the carbonation process in reinforced concrete and providing necessary decorative qualities.

Coating	Coating Types	Number of Layers	Minimum Dry Film Thickness (μm)
Sealing primer	Epoxy Seal Primer	1	20
Intermediate paint	Epoxy MIO (Micaceous Iron Oxide) Intermediate	1	100
Topcoat	Paint	1-2	60-80
	Polyurethane / Fluorocarbon Topcoat	Total Film Thickness	180-200



PART.9

BASIC AUXILIARY MATERIALS



01 | Tile Adhesive

1.1 Tile back adhesive

Two-component Vitrified Tile Back Adhesive

Product Introduction:

3TREES Two-component Vitrified Tile Back Adhesive is composed of powder and liquid additives. It utilizes high-quality inorganic adhesive materials and introduces high-penetration, high-adhesion polymer emulsions. This product is used for treating the back of vitrified tiles to enhance the bonding strength between the tiles and the adhesive material, effectively addressing issues such as hollowness and detachment caused by the low water absorption rate of vitrified tiles.

Model	SCA200
Product Standard	JC/T 907 Concrete Interface Treatment Agent
Product Characteristics	Milky white liquid + gray powder; when mixed, it forms a gray liquid
Application Ratio	Liquid: powder = 1:3
Reference Consumption	Theoretical consumption is approximately 1.2kg/m ² ; actual consumption depends on the condition of the substrate and the actual application thickness
Construction Tools	Brush



Product features:

- ◆ Interface improvement, reducing hollowness;
- ◆ No need for soaking tiles, easy application;
- ◆ Heat resistance, water resistance, and weatherability

Construction Process:

- ◆ Tile Preparation: Before application, clean the back of the tiles with a damp cloth to remove any release powder, grease, protective agents, or other substances that might affect adhesion.
- ◆ Material Mixing: Add the liquid component into the mixing bucket. While stirring, slowly add the powder component (powder= 3:1). Use an electric mixer to stir until the mixture is uniform and free of lumps. Let it sit for 3 minutes, then stir thoroughly again before use.
- ◆ Application: Use a brush to apply an even layer on the back of the tile, avoiding any missed spots. The layer should be approximately 1mm thick. After it dries, use standard tile adhesive to bond the tiles.

Remarks:

- ◆ Do not add extra mortar or water;
- ◆ Ensure that the release agent on the back of the tiles is completely cleaned;
- ◆ Thin application yields better results;
- ◆ When combined with cement mortar, use immediately;
- ◆ Do not use with cement mortar for bonding vitrified tiles of 600mm or larger;
- ◆ The mixed adhesive should be used within 2h. Do not add water to reconstitute dried adhesive.

Difference Between Tile Adhesive and Tile Back Adhesive

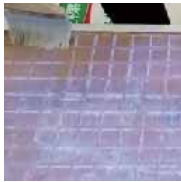
Tile back adhesive is a treatment product applied to the back of tiles. It has excellent bidirectional affinity and works in conjunction with tile adhesive to provide superior bonding performance. This combination effectively addresses issues such as hollowing and detachment that commonly occur with low water absorption tiles, thereby enhancing the stability of the tile installation system.



Comprehensive Application of Tile Adhesive and Tile Back Adhesive:



Clean the tile surface



Apply 3TREES Back Adhesive on the back of the tiles



Apply 3TREES Tile Adhesive on the wall



After the 3TREES Back Adhesive dries, trowel 3TREES Tile Adhesive on the back of the tiles



Install the tiles

Comparison of Tile Installation Methods

Construction Options		Cement Mortar		Tile Adhesive (Cement Mortar Leveling)		Back Adhesive + Installation Material			
		Descriptions		Descriptions		Back Adhesive + Cement Mortar		Back Adhesive + Tile Adhesive	
Item		Descriptions		Descriptions		Descriptions		Descriptions	
Substrate cleaning		All necessary		All necessary		All necessary		All necessary	
Substrate leveling		Without separate leveling		Thickness 10-20mm	2+5 days	Without separate leveling		Thickness 10-20mm	2+5 days
Tile installation		Thickness: 25mm	5 days	Thickness: 5-10mm	3 days	Thickness: 25mm	5 days	Thickness: 5-10mm	3 days
Sub-total		5 days		5+5 days		5 days		5+5 days	
Evaluation	Benefits	Low material cost		Significantly reduces risk of tile detachment		Good Flexibility and Durability: It can greatly reduce the risk of tile detachment and is cost-effective		Good Flexibility and Durability: It can greatly reduce the risk of tile detachment and is cost-effective	
	Disadvantages	Using cement mortar for thick-bed tile installation results in high consumption, with a significant probability of hollowing and detachment, leading to high maintenance costs in the long term.		The installation process is complex and time-consuming, with poor adaptability, making it only suitable for high water absorption tiles		Not suitable for outdoor applications and large tiles		—	
Adhesive Performance		☆☆		☆☆☆☆		☆☆☆☆		☆☆☆☆☆☆	

02 | Gypsum

2.1 Thin Plaster Gypsum

Gold Full-Coat Gypsum

Product Introduction:

3Trees Premium Full-Coat Gypsum is made from carefully selected calcined desulfurized gypsum, natural stone powder, refined sand, latex powder, and various functional additives. This product offers smooth application, excellent crack resistance, and high bonding strength. It is a thin plaster gypsum product with no restriction on the minimum application thickness.

Model	SNN615
Product Standard	JC/T 2514 Gypsum Putty
Product Characteristics	A light yellow or earthy yellow powdered product
Application Ratio	Power to water ratio: 1:0.4
Reference Consumption	1.1kg/m ² /mm
Construction Tools	Troweling



Product features:

- ◆ Quick drying and fast setting, saving construction time;
- ◆ Resistant to yellowing and alkali, long-lasting durability;
- ◆ High bonding strength, free from hollowing and cracking;
- ◆ Noise reduction, fire resistance, formaldehyde-free and fresh.
- ◆ No powdering with thin coats, no cracking with thick coats;

Lightweight Leveling Gypsum

Product Introduction:

3Trees Lightweight Leveling Gypsum is made from carefully selected calcined desulfurized gypsum, natural stone powder, vitrified microbeads, latex powder, and various functional additives. This product offers smooth application, excellent crack resistance, and high coverage rate. It is a thin plaster leveling gypsum characterized by its lightweight properties.

Model	SNN618
Product Standard	GB/T 28627 Plaster Gypsum
Product Characteristics	A light yellow or earthy yellow powdered product
Application Ratio	Power to water ratio: 1:0.4
Reference Consumption	1.1kg/m ² /mm
Construction Tools	Troweling



Product Features:

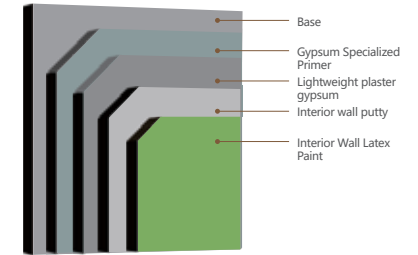
- ◆ Quick drying and fast setting, saving construction time;
- ◆ No powdering with thin coat with outstanding levelling effect;
- ◆ Yellowing resistance, alkali resistance, and long-lasting durability;
- ◆ Noise reduction, fire resistance, formaldehyde-free and fresh.
- ◆ Lightweight leveling, saving material;

Gypsum Special Primer

Product Introduction:

3Trees Gypsum Special Primer is a single-component product made from high-concentration silicone acrylic emulsion, offering high performance and multifunctionality.

Model	SGF750B
Product Standard	JC/T907 Gypsum Putty
Product Characteristics	Milky white liquid
Application Ratio	Ready to use straight from the container
Reference Consumption	0.9kg/mm2/mm
Construction Tools	Rolling and brushing



Applicable Scope:

Thin Coat Leveling Gypsum Series is suitable for thin-layer plaster leveling of interior dry areas in new, renovated, refurbished, and expanded buildings. It provides a smooth base for skim coat putty, artistic coatings, and wallpaper.

Use Instruction:

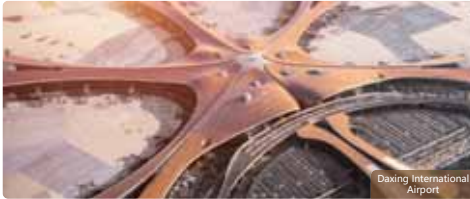
- ◆ The substrate should be solid, clean, and free of visible water. The strength of the substrate should be such that it does not crumble when rubbed by hand. For cement mortar plastered walls in areas with indoor temperatures above 25°C, pre-soak the walls thoroughly with water using a hose half an hour before application.
- ◆ For concrete cast walls and base walls with high absorbency, first use 3TREES SGF750B Gypsum Specific Primer for priming before applying the leveling series gypsum (consistency should be suitable for application). It is strictly prohibited to use wall consolidation products from other companies in conjunction with 3Trees gypsum products for supporting construction.
- ◆ After application, wait for the gypsum plaster to dry (three days in summer, seven days in winter) before applying skim coat putty or proceeding with the next construction step.
- ◆ Mix powder and water in a ratio of 10:4-5. Stir thoroughly for 3 min until a uniform paste is formed. Let it sit for 1 minute, then stir again until smooth. Use within 30 min.
- ◆ Use a steel scraper or trowel for regular application. A single coat thickness of 1-5mm is recommended. Theoretical consumption is 2-3kg/m² (calculated for a leveling thickness of 3mm). Actual consumption depends on the wall's flatness and application thickness. For thicker leveling in one coat, consider consulting for other 3Trees products.
- ◆ For walls with significant unevenness, apply in multiple coats. After the first layer of application, wait 1h before applying the second layer. It's best to apply both layers continuously.
- ◆ Once the leveling gypsum has set, there is no need to sand before applying skim coat putty. Sand the putty and then apply paint. Alternatively, sand and then apply a primer or base coat before applying wallpaper or artistic paint.

Recommended Options:

- ◆ Summer (May-September): SNN615 Premium Full-Coat Gypsum.
- ◆ Non-Summer: Choose SNN618 Lightweight Leveling Gypsum.
- ◆ For Thickness of 1-5mm: SNN615 Premium Full-Coat Gypsum.
- ◆ For Thickness of 3-10mm: SNN618 Lightweight Leveling Gypsum.
- ◆ Concrete and Brick Walls: SNN618 Lightweight Leveling Gypsum.
- ◆ ALC Panels and Cement Mortar Walls: SNN615 Premium Full-Coat Gypsum

Project Cases

Traffic



Daxing International Airport



Beijing-Zhangjiakou High-Speed Railway Line for the Winter Olympics

Municipal Engineering/Urban Renewal



National Convention Center

Schools/Hospitals/Factories



Tsinghua University



Zhejiang University



Peking Union Medical College Hospital (PUMC)

Cultural and Entertainment Venues



Construction of the Olympic Village and Guyangshu Venue Cluster for the Beijing 2022 Winter Olympics and Paralympics in Zhangjiakou



Lujiazui Riverside Center