东方雨虹
ORIENTAL YUHONG
砂粉科技

VASA TECH HOLDINGS PTE. LTD.
Address: 112 Robinson Rd, #03-01, Singapore 068902
Website: http://vasa.top
Telephone: 400-685-0885 **Postal Code:** 068902

东方雨虹
ORIENTAL YUHONG

VASA 华砂

VASA FLOOR

SPC / LVT

ABOUT ORIENTAL YUHONG

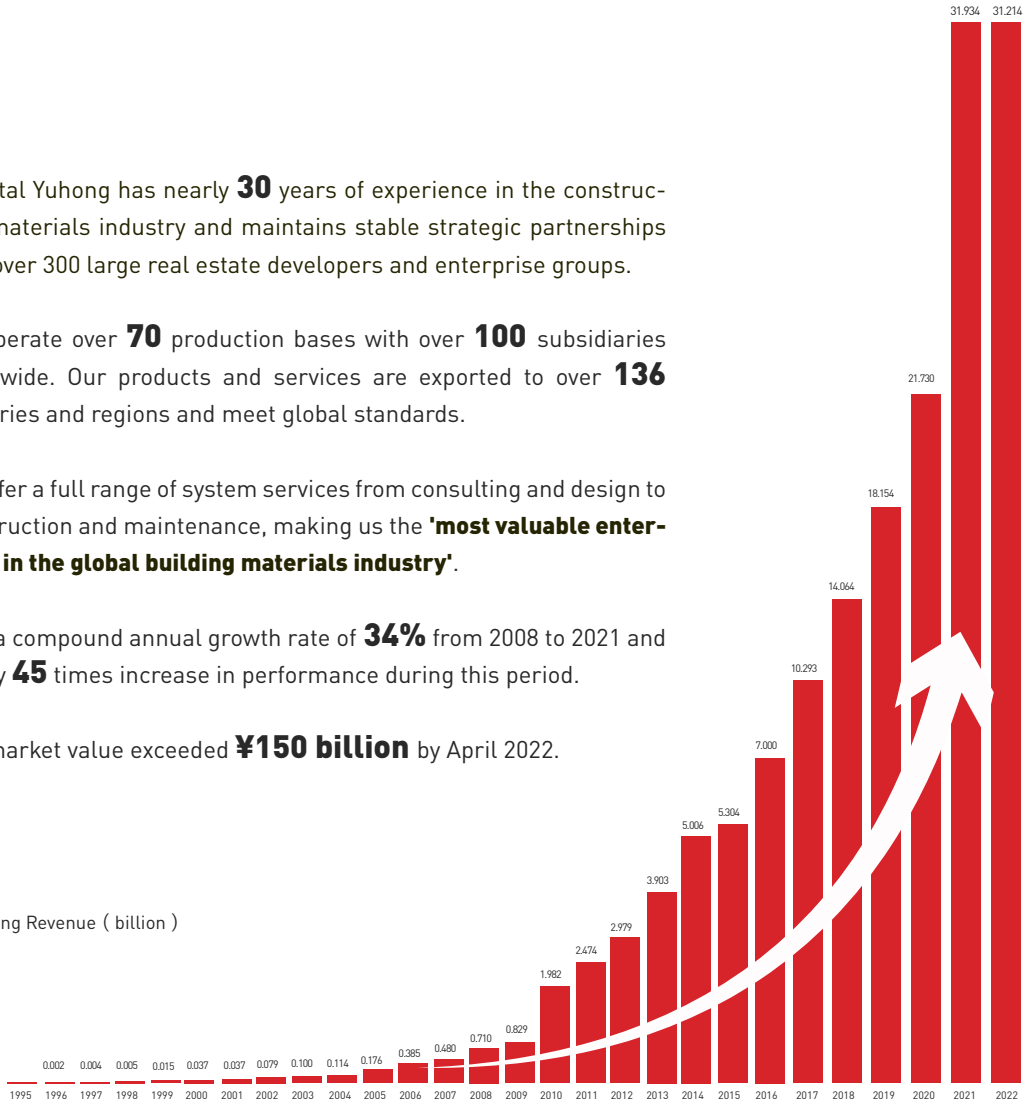
Oriental Yuhong has nearly **30** years of experience in the construction materials industry and maintains stable strategic partnerships with over 300 large real estate developers and enterprise groups.

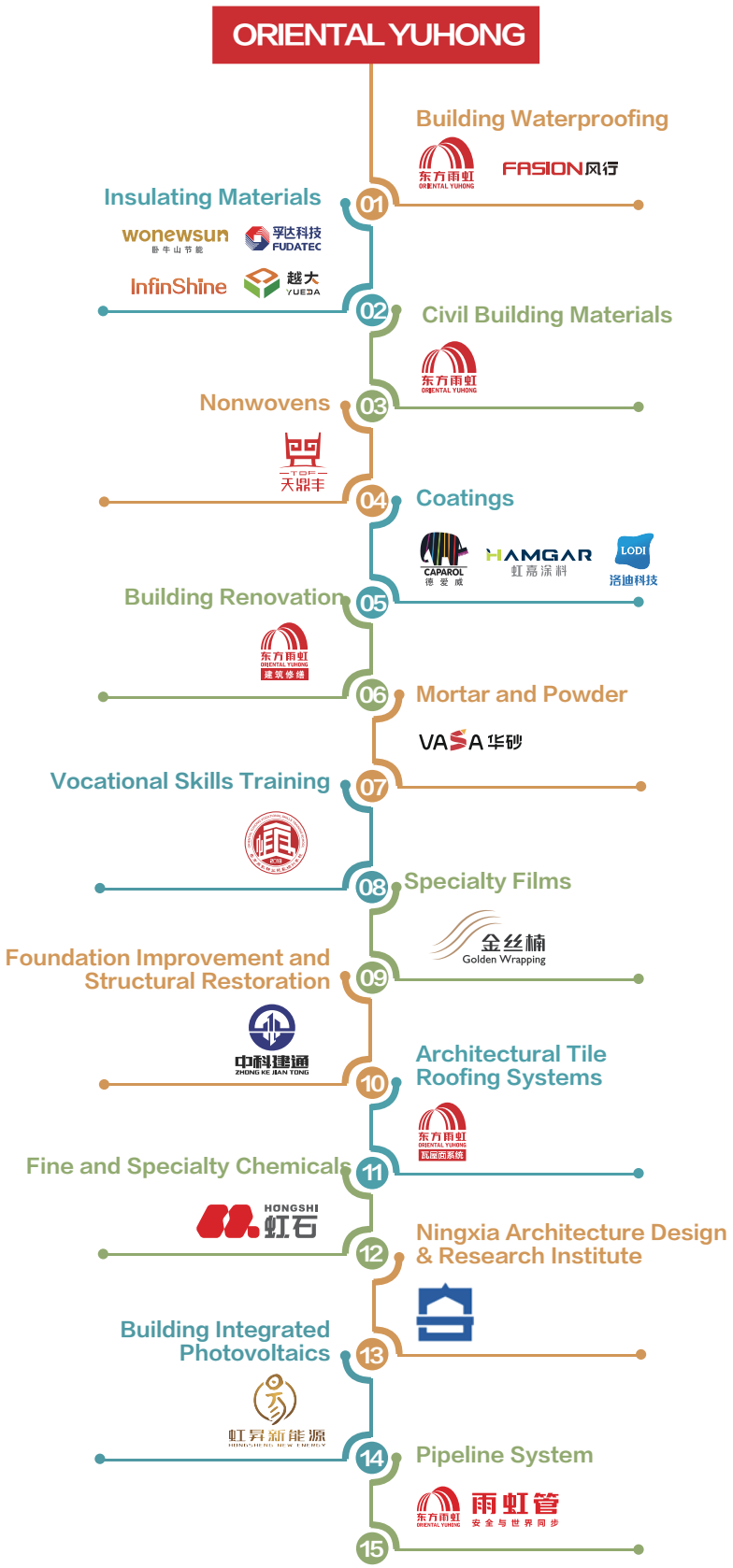
We operate over **70** production bases with over **100** subsidiaries worldwide. Our products and services are exported to over **136** countries and regions and meet global standards.

We offer a full range of system services from consulting and design to construction and maintenance, making us the **'most valuable enterprise in the global building materials industry'**.

With a compound annual growth rate of **34%** from 2008 to 2021 and nearly **45** times increase in performance during this period.

Our market value exceeded **¥150 billion** by April 2022.




ORIENTAL YUHONG
Building Waterproofing
东方雨虹 ORIENTAL YUHONG
FASION风行
01
Insulating Materials
wonewsun 卧牛山节能
孚达科技 FUDATEC
InfinShine
越大 YUEDA
02
Civil Building Materials
东方雨虹 ORIENTAL YUHONG
03
Nonwovens
TDF 天鼎丰
04
Coatings
CAPAROL 德爱威
HAMGAR 虹嘉涂料
LODI 洛迪科技
05
Building Renovation
东方雨虹 ORIENTAL YUHONG 建筑修缮
06
Mortar and Powder
VASA 华砂
07
Vocational Skills Training
08
Specialty Films
金丝楠 Golden Wrapping
09
Foundation Improvement and Structural Restoration
中科建通 ZHONG KE JIAN TONG
10
Architectural Tile Roofing Systems
东方雨虹 ORIENTAL YUHONG 瓦屋面系统
11
Fine and Specialty Chemicals
HONGSHI 虹石
12
Ningxia Architecture Design & Research Institute
13
Building Integrated Photovoltaics
虹昇新能源 HONGSHENG NEW ENERGY
14
Pipeline System
东方雨虹 ORIENTAL YUHONG 雨虹管 安全与世界同步
15


东方雨虹 ORIENTAL YUHONG













ABOUT VASA

VASA Tech Holdings Group Overview

VASA Tech Holdings, a wholly-owned subsidiary of Oriental Yuhong Group (Stock Code: SZ.002271), operates at the forefront of the construction aggregates and their allied manufacturing industry. We pride ourselves on being leaders in producing high-quality construction-functional mortars, and our deliberate expansion into ore mining underscores our dedication to securing top-tier raw materials.

Our commitment to excellence serves as the cornerstone of our success. Through the smart integration of high-grade ores for distinguished use and the precise incorporation of lower-grade ores, we have carved out a unique niche. This forward-thinking approach allows us to consistently elevate standards in the structural and foundational materials domain.

In the territory of sand-based goods, our product array defies conventional expectations, encompassing everything from fine sand to specialty mortars. Similarly, our powder-based products include white cement, calcium carbonate, wall putty, and gypsum-based mortars. These materials are meticulously crafted to fulfill the diverse demands of modern construction.

The integration of upstream resource management with downstream product innovation positions VASA Tech Holdings as a model of industry preeminence. Our relentless dedication to quality and continuous ingenuity strengthens our presence in the construction materials industry.

01

TECHNOLOGY INNOVATION

◉ Scientific Research Platform

Product R&D	Product R&D Center
Manufacture Process	Equipment R&D Center
Application Technology	Application Technology R&D Center
Engineer Technology	Engineer Construction Technology R&D Center
Checking and Testing	CNAS\CMA Certified Standards Laboratory
Oversea R&D	Global Center of Excellence for Waterproofing Coatings
Strategic Reserves	State Key Laboratory of Special Function Waterproof Materials Polymer Waterproof Materials and Product R&D Platform Polymer Materials R&D Center



Technical Team



- **5** External engineering academicians
- **7** Internationally renowned scientists
- **25** PhDs, **141** Masters
- **1** Expert with a State Council allowance
- **25** Technology leaders

R & D Results



- **1** NTR program
- **2** National key new product technologies
- **3** CTP projects
- **39** Core technologies
- More than **150** independent innovative products
- **50** Chief or co-editor of national/industry/local standards
- **44** Enterprise standards, atlases, construction methods
- As of December 2023, it has more than **1,735** valid patents (including **443** inventions)
- There were also **17** PCT international applications

Technical Service System



Quality is the root and technology is the foundation. We prioritize customer satisfaction by offering top-notch products and taking their needs as the guiding principle. We thoroughly analyze regional characteristics, establish research and testing facilities, and conduct comprehensive and in-depth research on product applications and construction technologies. This enables us to provide customers with professional and systematic solutions tailored to their specific requirements.

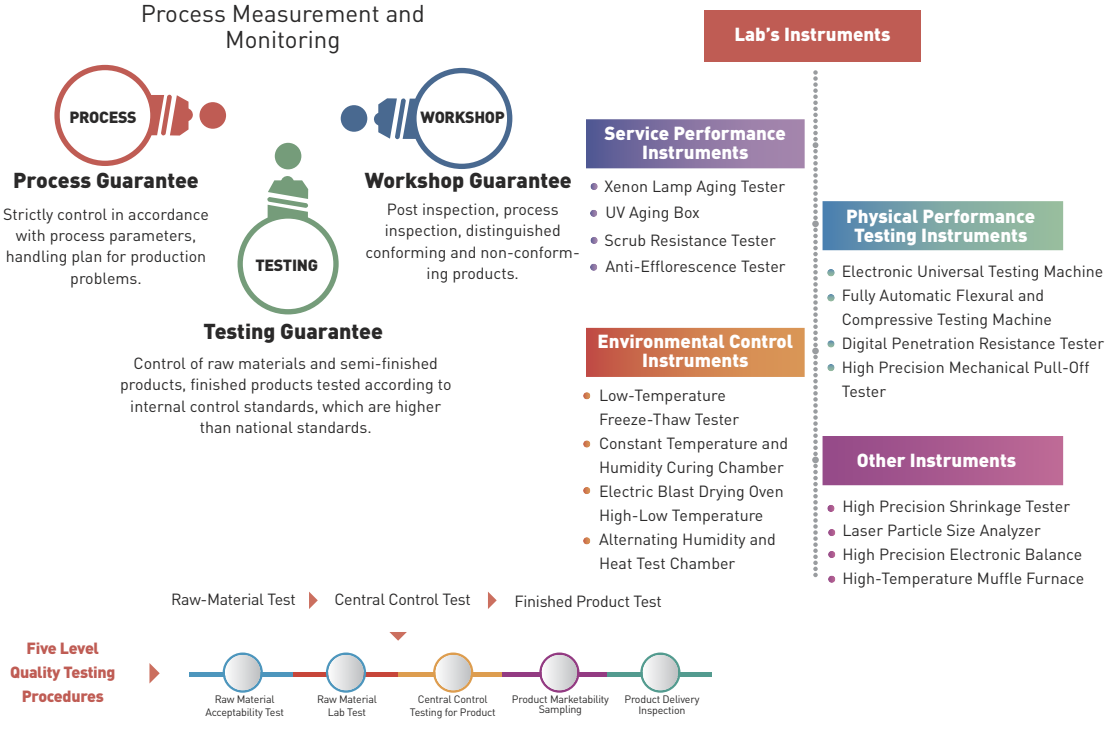
To address customers' needs on time, we have established a technical service center staffed with proficient technical service engineers who are capable of resolving customer issues and delivering reliable product technical assistance and support. To stay in close proximity to the market and deliver the best possible technical service experience for our customers, we have developed an innovative technical service process system.

We also offer a comprehensive range of services aimed at maximizing the value to our customers. These include pre-sales technical consultations, the exchange of technical solutions, the disclosure of construction technology, model engineering construction, project quality inspections, and other full-process services. Our goal is to provide our customers with the highest level of support and expertise throughout the entire project cycle.

COMPREHENSIVE QUALITY CONTROL SYSTEM

We uphold the principle of quality first and employ a third-party quality management model. Through the implementation of enterprise internal control standards, we establish a tripartite system comprising technology, production, and quality supervision, which provides organizational support for our quality management efforts. Our teams work with a rational division of labor and collaborate closely with one another.

Use process measurement and monitoring, advanced experimental equipment and five-level inspection standards for comprehensive quality control.



INTELLIGENT WAREHOUSING AND LOGISTICS SYSTEM







·Unique Product Identification across the Supply Chain Collaboration System

·End-to-End Product Traceability from Sales Order Placement to Customer Delivery

·Integration of Big Data and Seamless Connectivity between Upstream and Downstream Processes to Achieve Flexible Production

·Real-Time Control for Product Consistency and Quality Stability

GLOBAL MANUFACTURING FOOTPRINT

VASA Tech Holdings Group Co., Ltd. establishes production and distribution centers both domestically and internationally to create a convenient supply network and promptly fulfill customer demands worldwide.

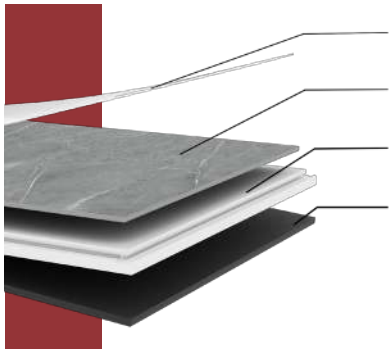
In order to guarantee the quality and availability of the crucial raw material-fine sand, we have taken a proactive approach by expanding our presence upstream in the industrial chain. This includes actively constructing fine sand production facilities in prime sand source locations across the globe. By fulfilling our own needs while simultaneously catering to the global market, we are able to provide top-notch fine sand products to our customers.




Russia
Germany
Japan
South Korea
Saudi Arabia
Vietnam
Philippines
Central Africa
Malaysia
Singapore
Indonesia
South Africa
Australia

PRODUCT SYSTEM

SPC



UV Coating

Clear design protection layer

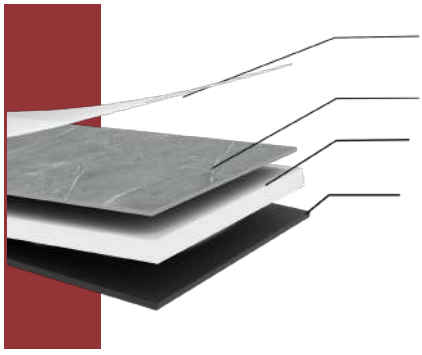
SPC layer

IXPE padding

Advantages

- Formaldehyde-free and environmentally friendly: No glue used in raw materials, production, and installation
- Easy installation with lock and fold system
- Suitable for underfloor heating
- Noise reduction and sound insulation
- Waterproof and moisture-proof
- Fire-resistant and flame-retardant
- Ultra-durable and wear-resistant

LVT



UV Coating

PVC decorative layer

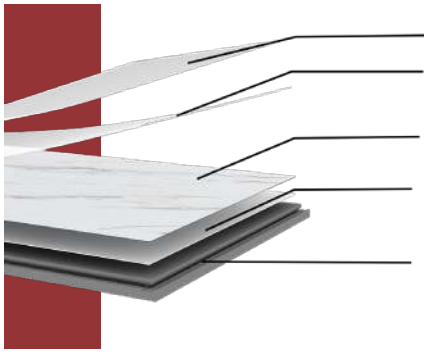
Middle layer

Base layer

Advantages

- Formaldehyde-free and environmentally friendly: No glue used in raw materials, production, and installation
- Waterproof and moisture-proof
- Recyclable and reusable
- Soft flooring for comfortable foot feel
- Easy installation: Various flexible installation methods such as lock and fold, adhesive laying, and self-adhesive sinking are available

Digital Wall Panel



UV Coating

Wearlayer

Digital print design

SPC core

Click

Advantages

- Achieve a resolution of 600 to 1200dpi
- 10 sqm with no pattern repeat
- The texture and touch of digital print product can be compared with real materials.
- Support personalized and customized

OUR PRODUCT



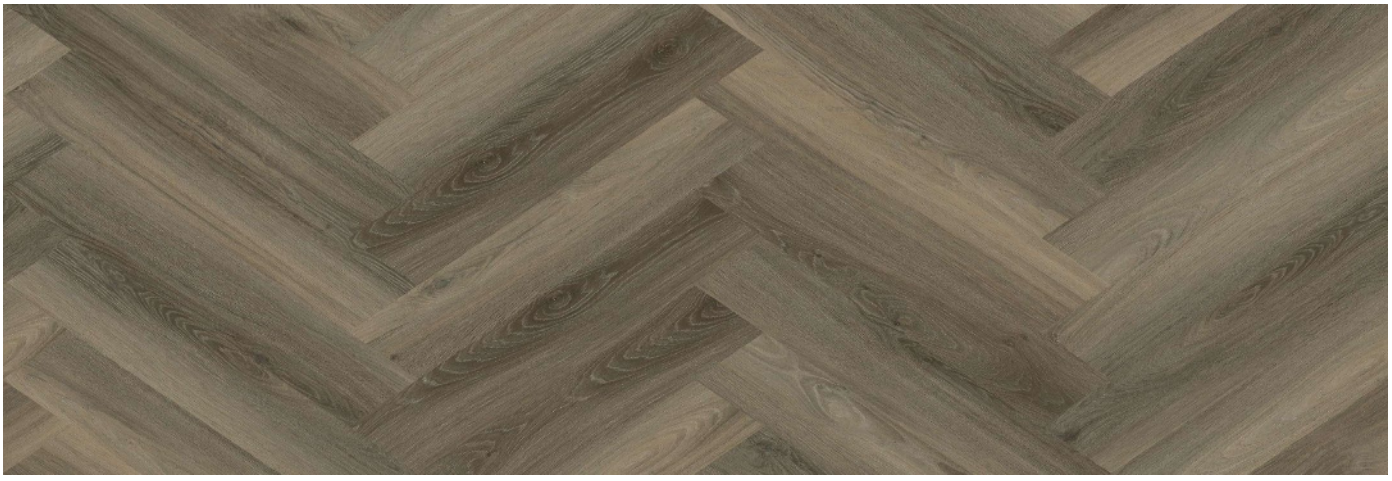
东方雨虹 ORIENTAL YUHONG | VASA 华砂

5mm SPC FLOOR

WOOD



FW53201D 127*635*5.0mm



FW53202D 127*635*5.0mm



FW53203D 古典人字 127*635*5.0mm

5mm SPC FLOOR

WOOD



FW53020E 198*1522*5.0mm



FW53021E 198*1522*5.0mm



FW53023E 198*1522*5.0mm

5mm SPC FLOOR

WOOD



FW53025E 198*1522*5.0mm



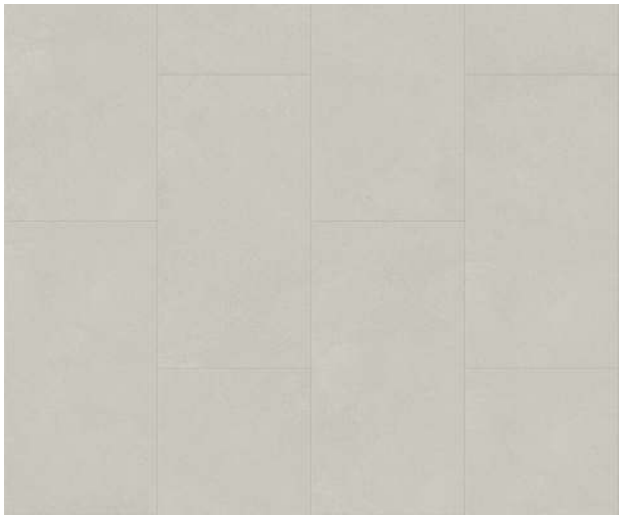
FW53001B 198*1522*5.0mm



FW53002B 198*1522*5.0mm

5mm SPC FLOOR

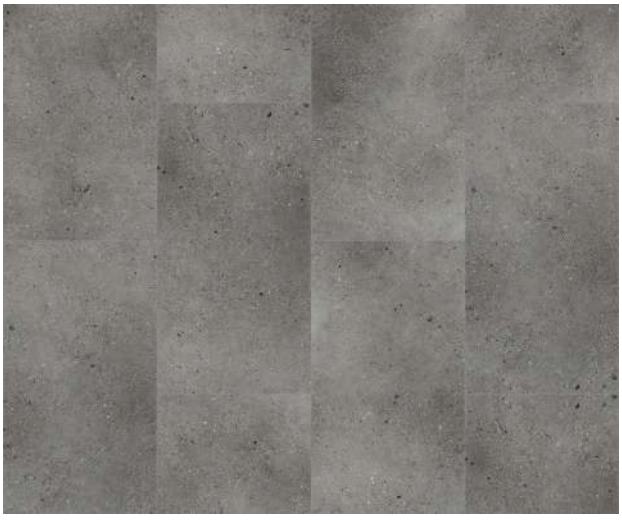
WOOD



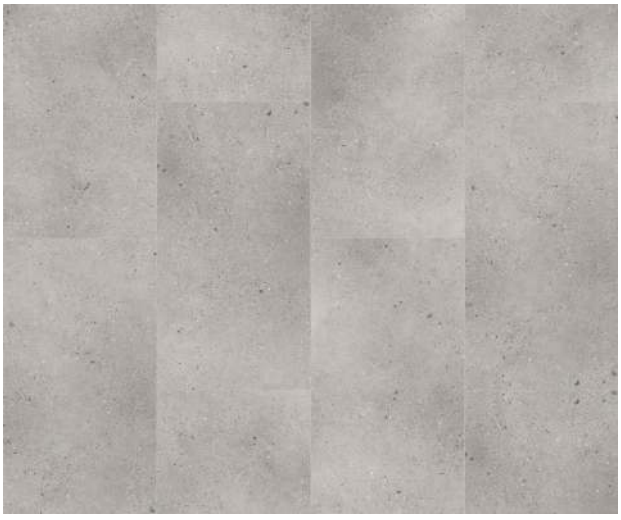
FS53610C 406*812*5mm



FS53611C 406*812*5mm



FS53712C 406*812*5mm



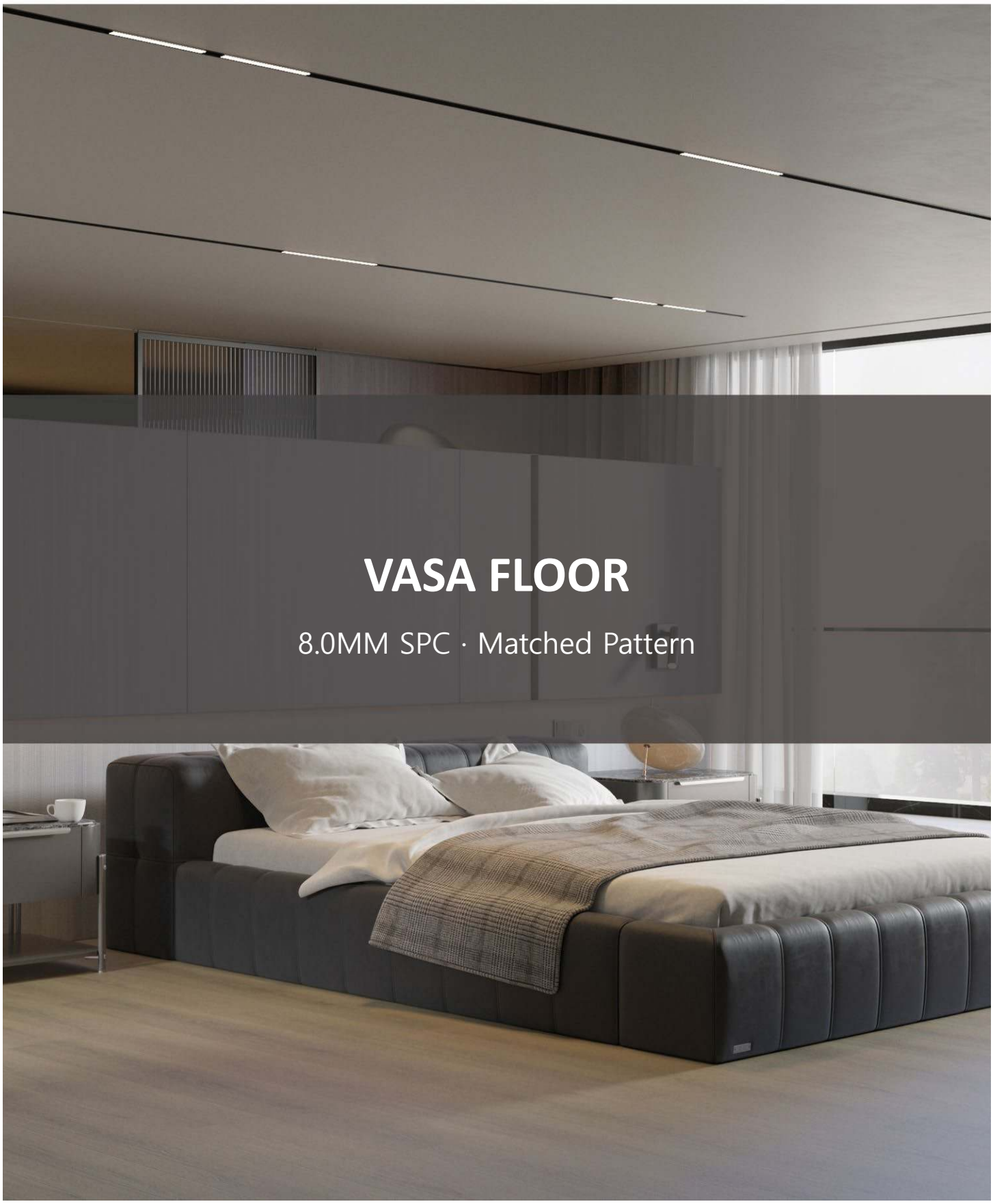
FS53711C 406*812*5mm



FS53608C 406*812*5mm



OUR PRODUCT



VASA FLOOR

8.0MM SPC · Matched Pattern

东方雨虹 ORIENTAL YUHONG | VASA 华砂

8mm SPC FLOOR

WOOD



FW85001C 229*1522*8mm



FW85004C 229*1522*8mm



FW85005C 229*1522*8mm



8mm SPC FLOOR

WOOD



FW85006C 229*1522*8mm



FW85011C 229*1522*8mm



FW85012C 229*1522*8mm



FW85013C 229*1522*8mm

OUR PRODUCT



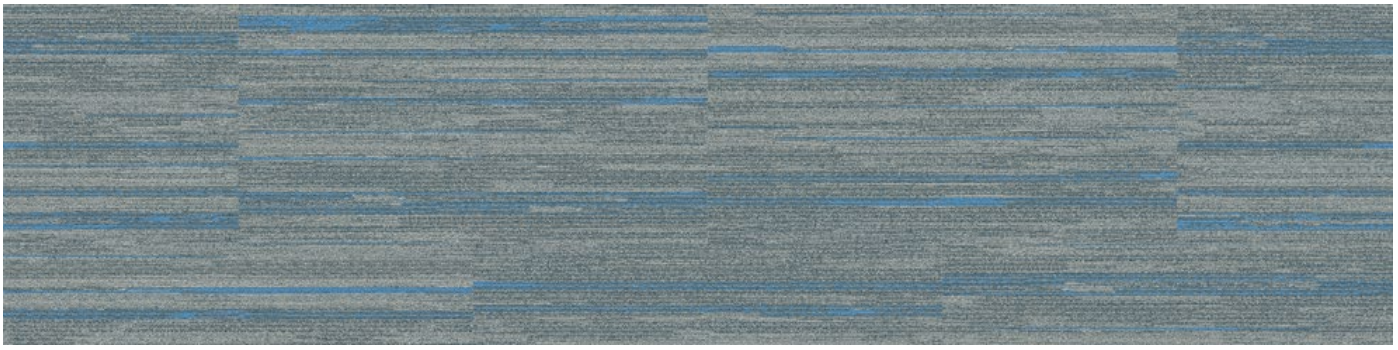
VASA FLOOR

2.0MM LVT · Random Pattern

东方雨虹 ORIENTAL YUHONG | VASA 华砂

2mm LVT FLOOR

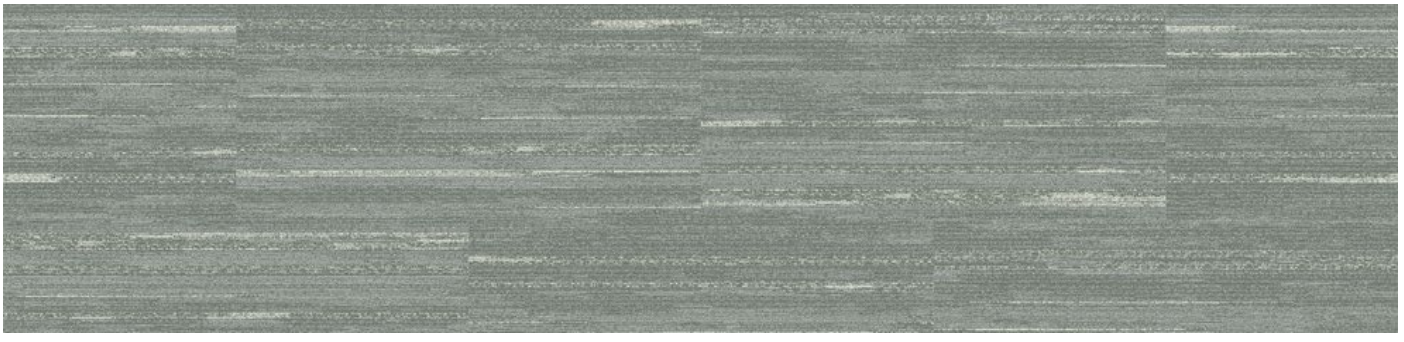
CARPET



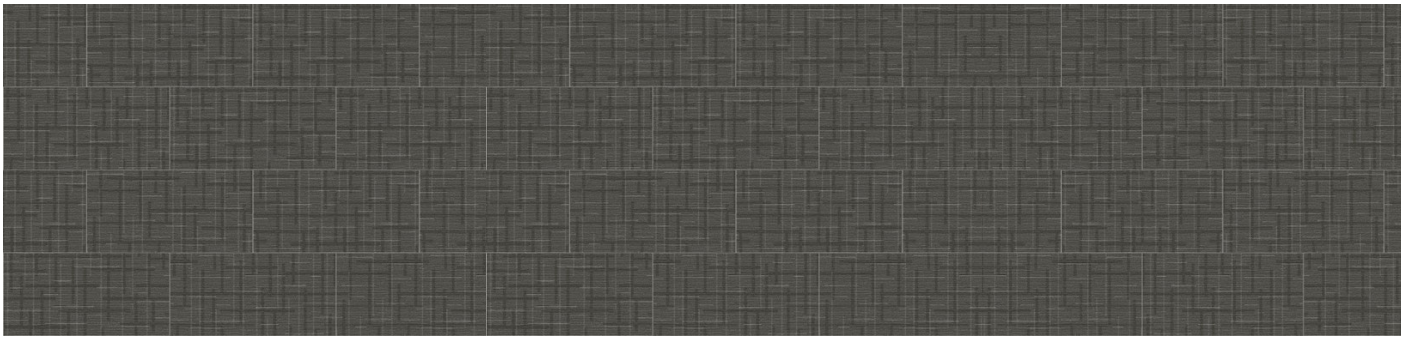
LC22080 457*914*2.0mm



LC22082 457*914*2.0mm



LC22084 457*914*2.0mm

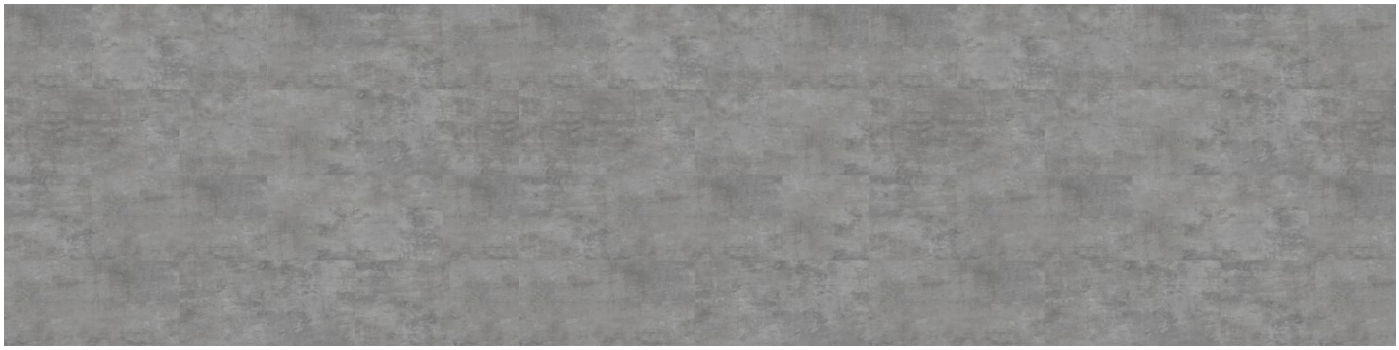


LC22086 457*914*2.0mm



2mm LVT FLOOR

STONE



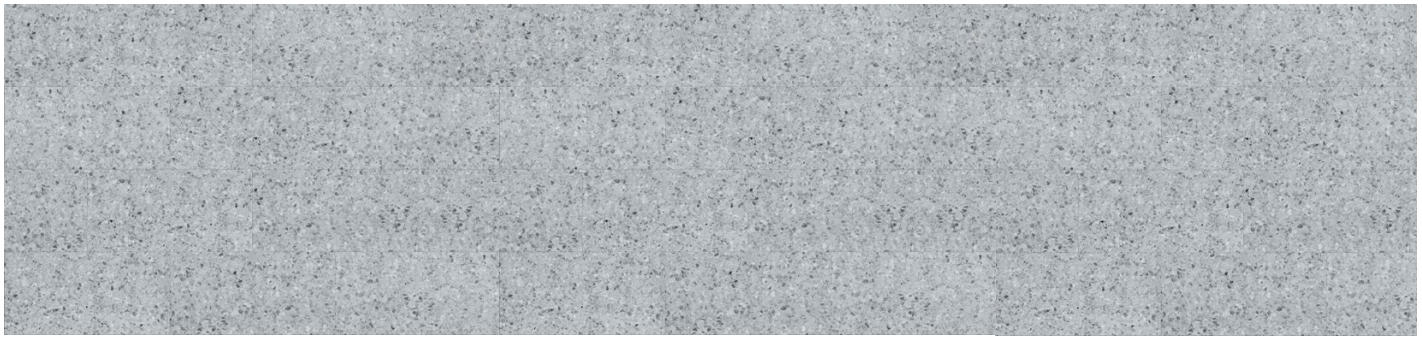
LS22050 406*812*2.0mm



LS22052 406*812*2.0mm



LS22055 406*812*2.0mm



LS22056 406*812*2.0mm





2mm LVT FLOOR

WOOD



LW22001 187*1227*2.0mm

LW22003 187*1227*2.0mm



LW22004 187*1227*2.0mm



LW22011 187*1227*2.0mm

2mm LVT FLOOR

WOOD



LW22012 205*1522*2.0mm

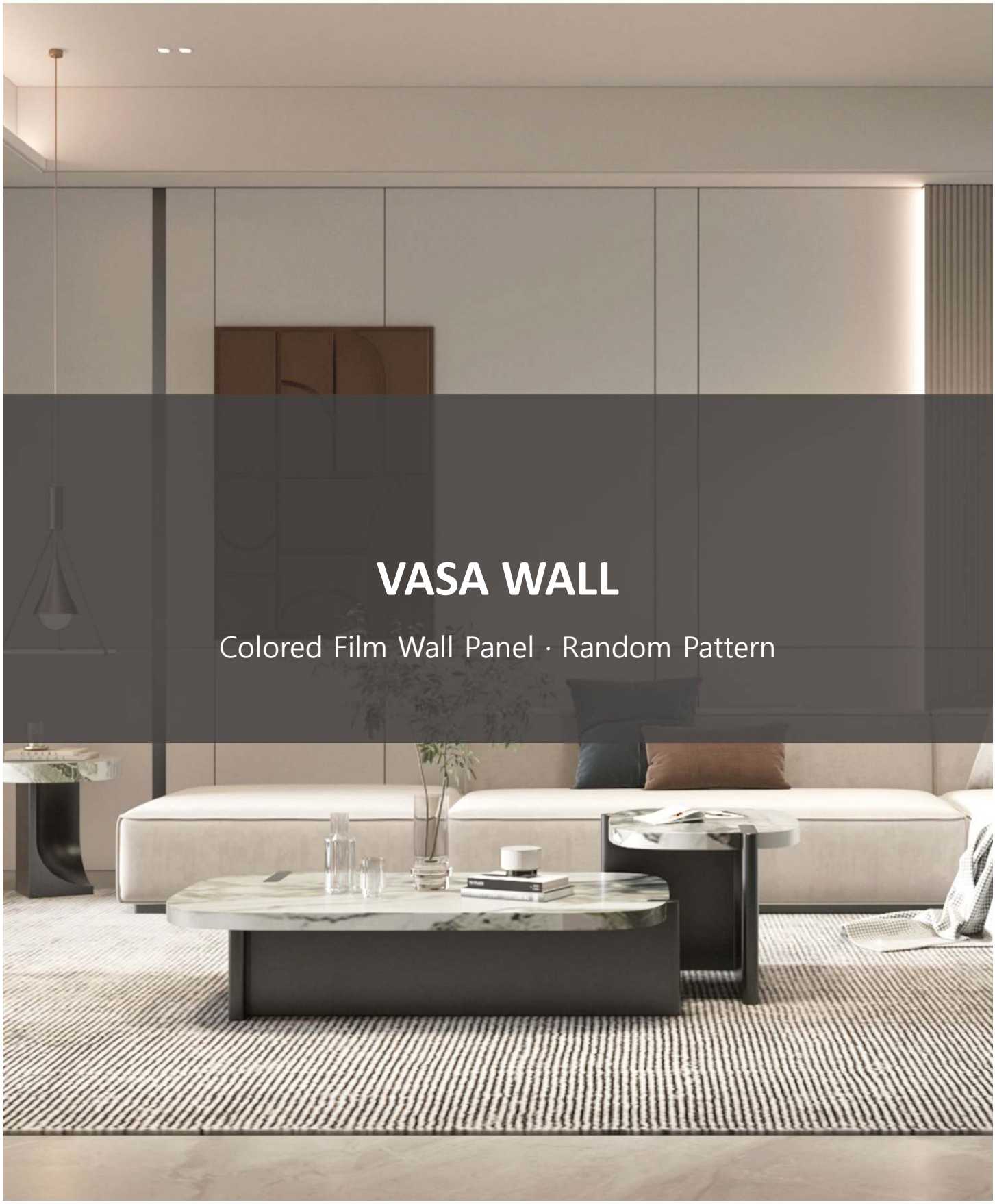


LW22013 205*1522*2.0mm



LW22014 205*1522*2.0mm

OUR PRODUCT



VASA WALL

Colored Film Wall Panel · Random Pattern

东方雨虹 ORIENTAL YUHONG | VASA 华砂

COLORED FILM WALL

WOOD



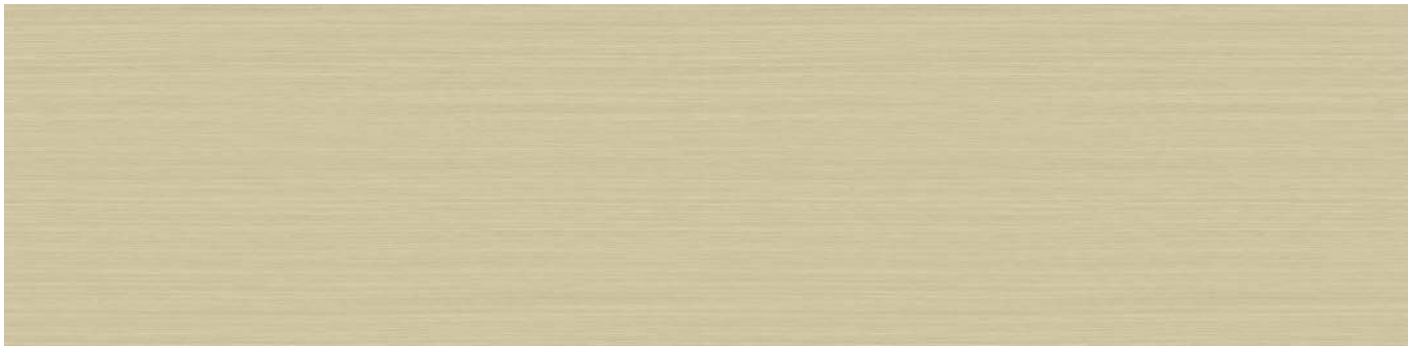
WW43002A 1200*2800*4.0mm



WW43014A 1200*2800*4.0mm



WW43006A 1200*2800*4.0mm



WW41024A 香梨木 1200*2800*4.0mm

FORMALDEHYDE-FREE 无甲醛 RECYCLABLE 可循环

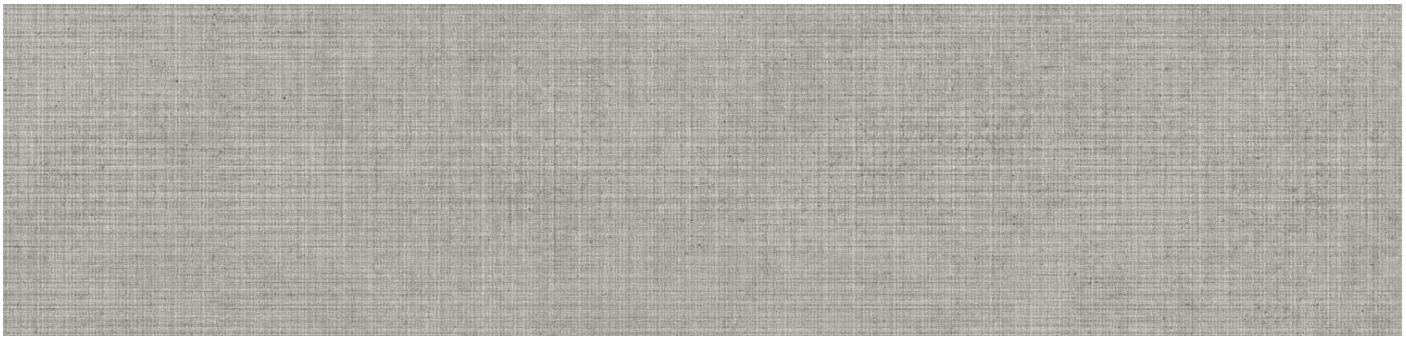
COLORED FILM WALL

FABRIC



WF43224A 1200*2800*4.0mm

WF43203A 1200*2800*4.0mm



WF43201A 1200*2800*4.0mm

COLORED FILM WALL

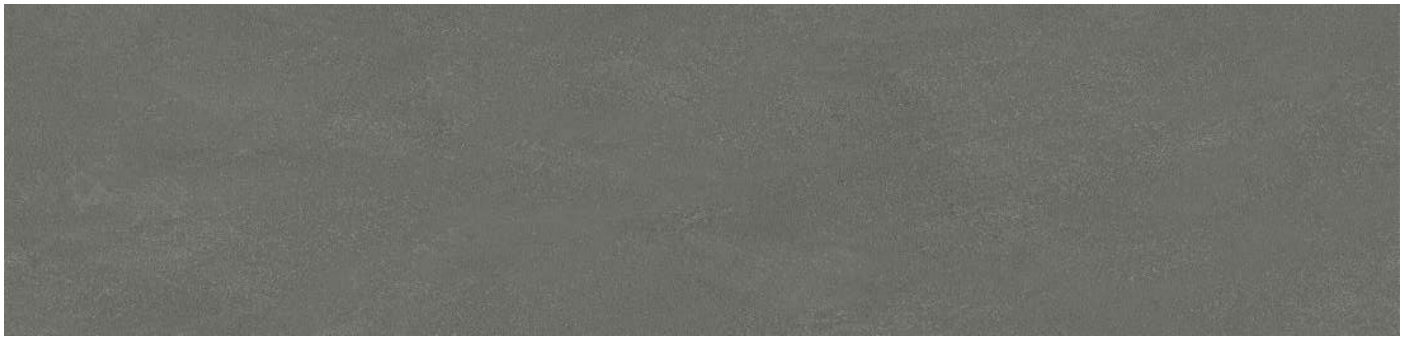
STONE



WS43110A 1200*2800*4.0mm



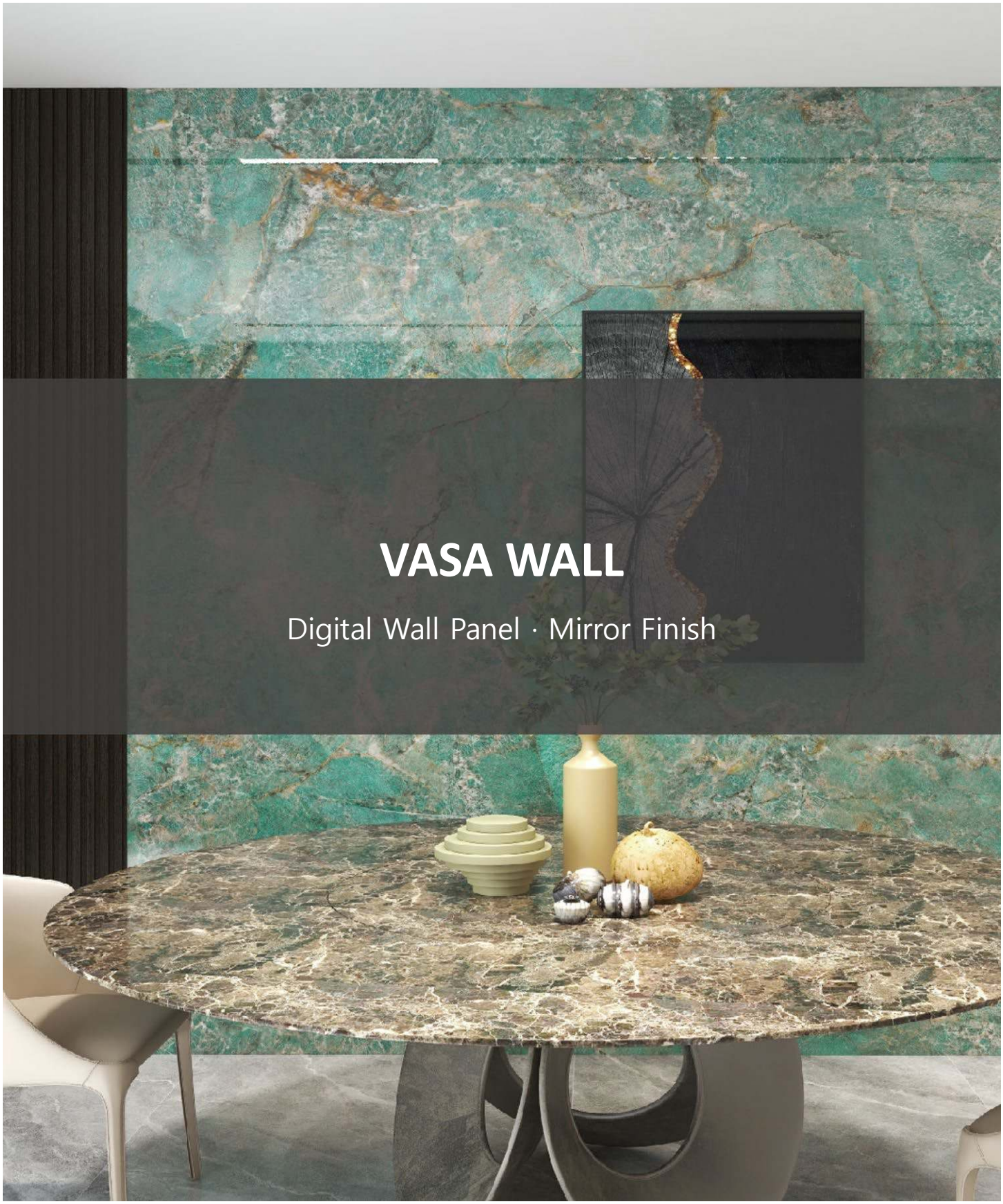
WS43301A 1200*2800*4.0mm



WS43314A 1200*2800*4.0mm

FORMALDEHYDE-FREE 无甲醛 RECYCLABLE 可循环

OUR PRODUCT



东方雨虹 ORIENTAL YUHONG | VASA 华砂

WOOD



A B A B

WDP48022 1200*2800*4.0mm



A B A B

WDP48042 1200*2800*4.0mm



A B A B

WDP48035 1200*2800*4.0mm

FORMALDEHYDE-FREE 无甲醛 RECYCLABLE 可循环

DIGITAL WALL

DIGITAL



A B C D

WDP43244

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP43301

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP43403

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP43288

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP43327

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP43313

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)

DIGITAL



A B C D

WDP43289

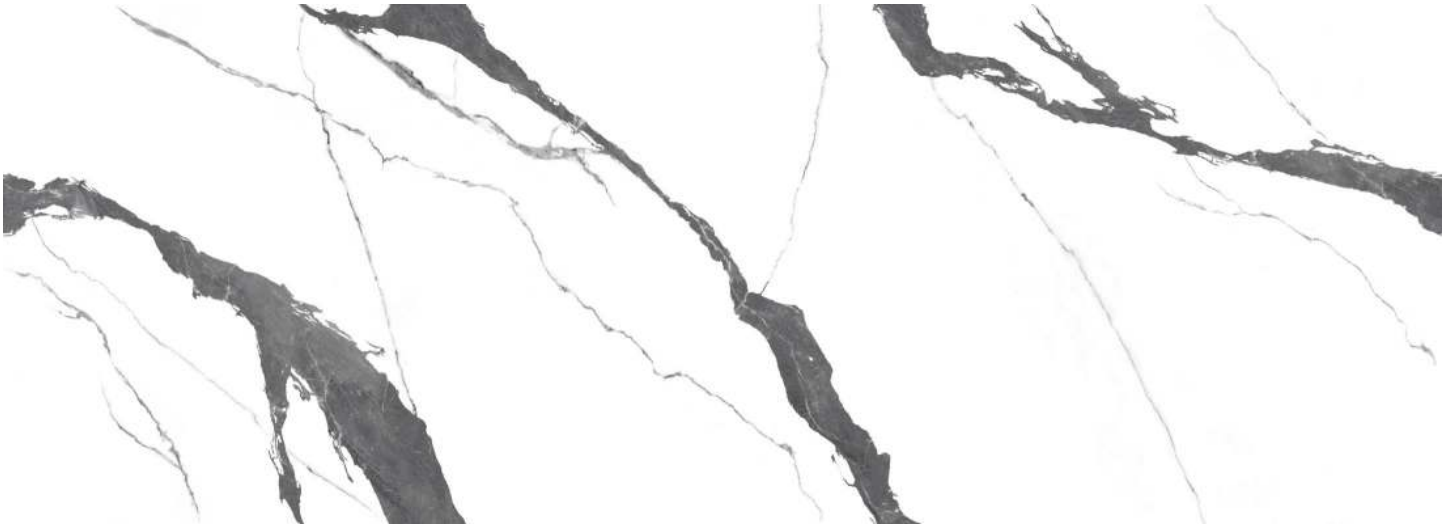
L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C A

WDP43306

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D E F

WDP43404

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)

FORMALDEHYDE-FREE 无甲醛

RECYCLABLE 可循环

DIGITAL WALL

DIGITAL



A B C D E

WDP47028

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP47024

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP47092

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)

DIGITAL



A B C D E

WDP47055

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP47084

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP47026

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP47094

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D E

WDP47027

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)

DIGITAL WALL

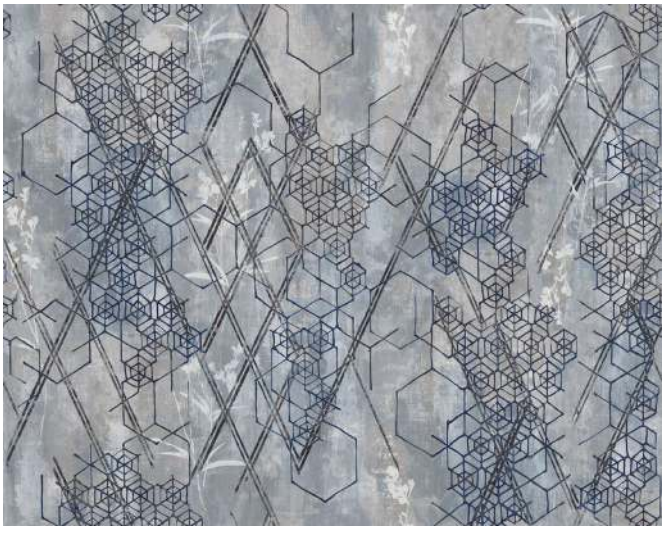
DIGITAL



A B C D E

WDP47078

L.1200mm W.2800mm
THK. 4 mm(spc)



A B C

WDP47018

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C

WDP47007

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP47097

L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



A B C D

WDP47002

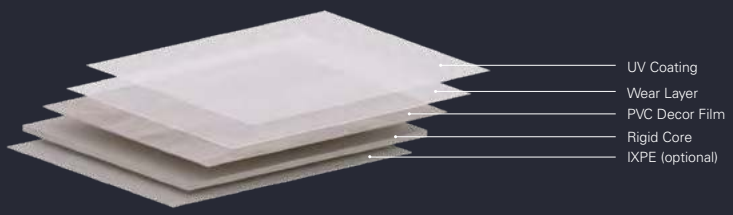
L.1200mm W.2800mm
THK. 4 mm(spc) / 9mm (wpc)



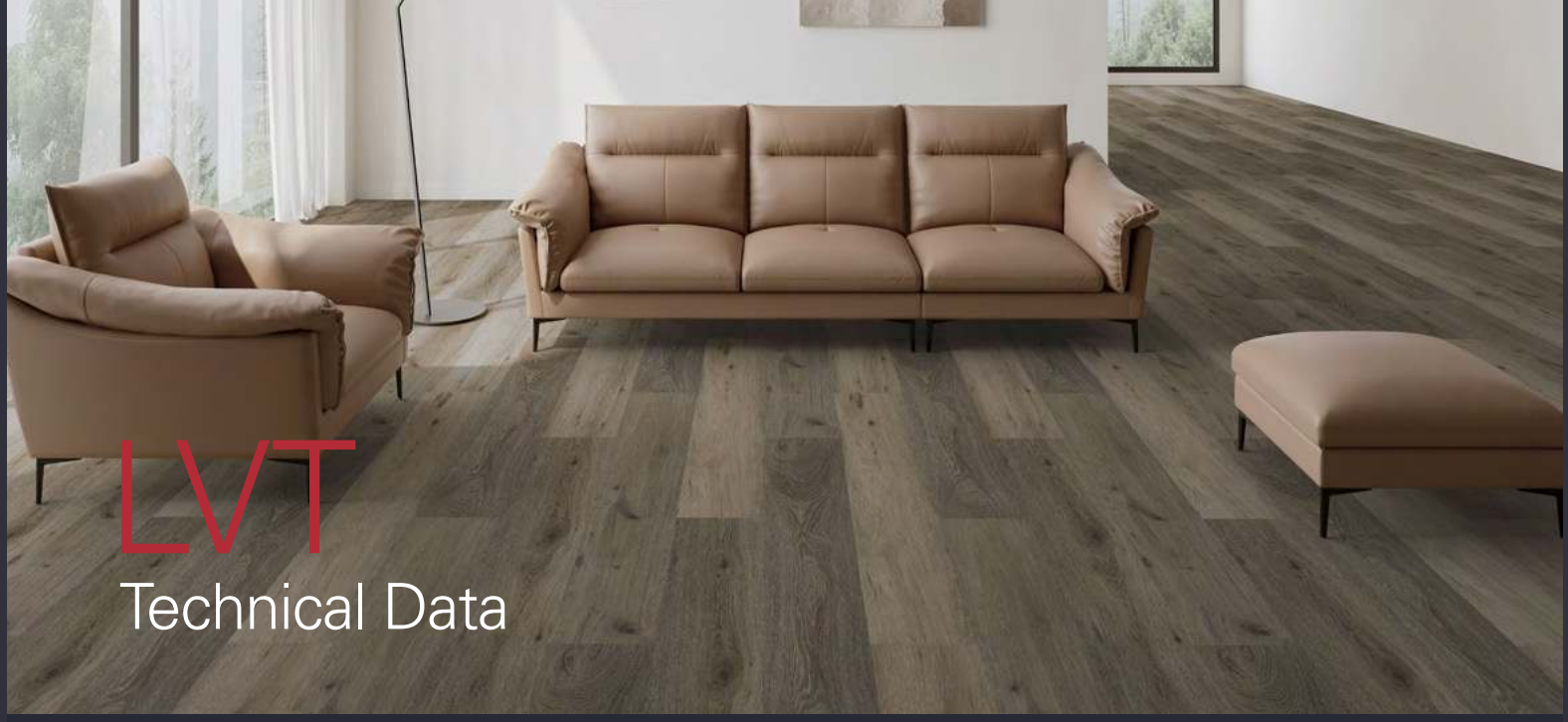
SPC
Technical Data

Available thickness	
Overal thickness	3.5-8.0mm
Classification (ISO 10874)	
Wearlayer	Utility Class
0.2mm	
0.3mm	
0.55mm	

Constructure



	Property	Test Method Standard	Review in Accordance with Standard
	UNILIN, VALINGE or I4F CLICK system	-	Simple and fast installation
E1 HCHO	Formaldehyde emission	EN 717-1	E1
Bfl-s1	Reaction to fire	EN 13501-1	Bfl- s1
R10 ERHÖHTE RUTSCHHEMMKLASSE	Slip resistance	DIN 51130	R9/R10
DS	Slip resistance	EN 13893	DS
T DIN EN 660	Wear resistance	EN 660-2	Group T
	Resistance to staining	ISO 26987	Index 0 Not affected
	Light stability	ISO 105-B02	≥6
	Residual indentation	ISO 24343-1	~ 0,03 mm
	Castor chair	ISO 4918	Pass
	Dimensional stability Curling after exposure to heat	ISO 23999	Dimensional stability: ≤0.1 % Curling: ≤0.5mm
	Phthalate content	EN 14372	Pass
A+	VOC emissions	ISO 16000 parts-3,-6,-9, 11	A+
CE	CE	-	Certified
UK CA	UKCA	-	Certified
	Floorscore	-	Certified
	Indoor Air Comfort Gold	-	Certified
	TUV Profi Cert.	-	Certified
	Utilization	-	Recyclable

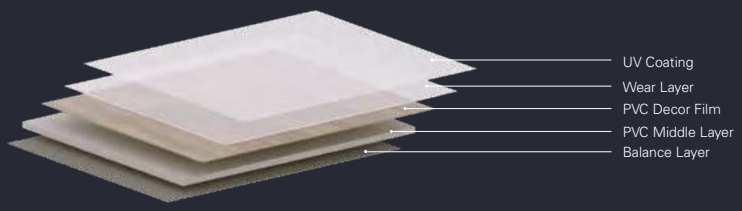


LVT

Technical Data

Available thickness	
Overal thickness	2.0-3.0mm
Classification (ISO 10874)	
Wearlayer	Utility Class
0.2mm	
0.3mm	
0.55mm	

Constructure



	Property	Test Method Standard	Review in Accordance with Standard
E1 HCHO	Formaldehyde emission	EN 717-1	E1
B_{fl}-s1	Reaction to fire	EN 13501-1	Bfl- s1
R10 RUTSCHHEMMKLASSE	Slip resistance	DIN 51130	R9/R10
DS	Slip resistance	EN 13893	DS
	Wear resistance	EN 660-2	Group T
	Resistance to staining	ISO 26987	Index 0 Not affected
	Light stability	ISO 105-B02	≥6
	Peel resistance	ISO 24345	65 N/50mm
	Flexibility	ISO 24344 Method A	No cracking shown in both directions when tested with a 20mm mandrel
	Burning cigarette test	EN 1399 Method B	Rating 3
	Residual indentation	ISO 24343-1	~ 0,03 mm
	Castor chair	ISO 4918	Pass
	Dimensional stability Curling after exposure to heat	ISO 23999	Dimensional stability: ≤0.15% Curling: ≤0.5mm
	Phthalate content	EN 14372	Pass
	PCP	EN 12673	Pass
A+	VOC emissions	ISO 16000 parts-3,-6,-9, 11	A+
CE	CE	-	Certified
UK CA	UKCA	-	Certified
	EPD	-	Certified
	Floorscore	-	Certified
	Indoor Air Comfort Gold	-	Certified
	TUV Profi Cert.	-	Certified
	Utilization	-	Recyclable