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SPC·LVT·LAM·MGO

PROFESSIONAL  
MANUFACTURER

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# Introduction

Changzhou Huaren Decorative Material Co., Ltd. (HRFLOOR), established in 2001, is a profession manufacturer of premium flooring solutions headquartered in Changzhou, Jiangsu, China. Specializing in the production of SPC, LVT, laminate, and MGO flooring. Commitment to quality and innovation has taken our products to more than 35 countries and regions worldwide.

We exclusively use virgin, eco-friendly raw materials to ensure the safety of our products. Our stringent 24-hour self-inspections, in addition to third-party BV inspections, guarantee top-notch quality.

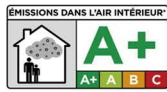
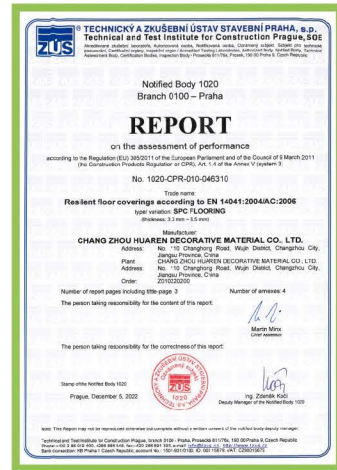
Our certifications include Floorscore, CE, SASO, SCS, SGS and TUV demonstrating our commitment to excellence. With a global perspective, our marketing has proudly served multinational clients, including the furniture corporations, flooring distributors, property developers and beyond.

150 containers/month(for SPC)  
80 containers/month(for LAM)



## Technical Data Sheet

ITEM	STANDARD	RESULT
Side Length	ISO 24342	Pass
Squareness		Pass
Straightness		Pass
Overall Thickness	ISO 24346	Pass
Total Mass Per Unit Area(average)	ISO 23997	Pass
Dimensional Stability after Exposure to Heat	ISO 23999	Pass
Curling after Exposure to Heat		Pass
Flexibility	ISO 24344 Method A	Pass
Residual Indentation	ISO 24343-1	Pass
Color Fastness to Artificial Light	ISO 105-B02	Pass
Thickness of Wear Layer	ISO 24340	Pass
Abrasion Group	EN 649	Group T
Abrasion Resistance	EN 660-2	Pass
Flammability	EN 13501-1	Bfl-S1
Dynamic Coefficient of Friction	EN 13893	Pass
Slipperiness-Oil-wet ramp test	DIN 51130	R9
Thermal Conductivity	EN 12667	Pass
Water-tightness	EN 13553	Pass
Caster Chair Test	ISO 4918	Pass





## ENVIRONMENT & SAFETY

ITEM	STANDARD	RESULT
N-pentyl-isopentyl phthalate(nPIPP)	EN 14372	ND
Dipentyl phthalate(DPP)		ND
Bis(2-methoxyethyl)phthalate(DMEP)		ND
Diisobutyl phthalate(DBP)		ND
Di(2-ethyl hexyl)Phthalate(DEHP)		ND
Benzyl Butyl Phthalate(BBP)		ND
Di-iso-nonyl Phthalate(DINP)		ND
Di-n-Octyl Phthalate(DNOP)		ND
Di-iso-decyl Phthalate(DIDP)		ND
1,2-benzenedicarboxylic,di-C6-8-branched alkyl esters,C7-rich(DIHP)Toxic		ND
1,2-benzenedicarboxylic,di-C7-11-branched and linear alkyl esters,(DHNUP)		ND
Di-n-hexyl Phthalate(DnHP)		EN 71 part3
Di-n-pentyl Phthalate(DnPP)	ND	
1,2-benzenedicarboxylic,di-C6-10-alkyl esters;1,2-benzenedicarboxylic,Mixed decyl and hexyl and octyl diesters≥0.3% of dihexyl phthalate	ND	
Soluble aluminum ( Al )	ND	
Soluble Antimony ( Sb )	ND	
Soluble Arsenic ( As )	ND	
Soluble Barium ( Ba )	ND	
Soluble Boron (B)	ND	
Soluble Cadmium ( Cd )	ND	

## ENVIRONMENT & SAFETY

ITEM	STANDARD	RESULT
Soluble Chromium ( III )( Cr ( III ) )	EN 71 part3	ND
Soluble Chromium ( VI )( Cr ( VI ) )		ND
Soluble Cobalt ( Co )		ND
Soluble Copper ( Cu )		ND
Soluble Lead ( Pb )		ND
Soluble Manganese ( Mn )		ND
Soluble Mercury ( Hg )		ND
Soluble Nickel ( Ni )		ND
Soluble Organic Tin		ND
Soluble Selenium ( Se )		ND
Soluble Strontium ( Sr )		ND
Soluble Tin ( Sn )		ND
Soluble Zinc ( Zn )		ND
Toxic Test		GB 18586
ROHS 2.0	2011/65/EU	PASS
Resistance to Chemicals	EN 423	Class0
CE Mark	EN 14041	Pass

## FEATURES&BENEFITS:

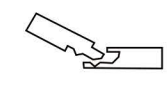
WATERPROOF CORE



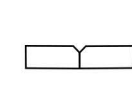
SOUND REDUCING PAD



FAST&SECURE CLIP SYSTEM



BEVELED EDGE



EZ--CLEAN COATING



PET FRIENDLY



FLOORSCORE CERTIFISD



LEED POINT ELIGIBLE



## SPECIFICATIONS:

ITEM	100% VIRGIN SPC(STONE PLASTIC COMPOSITE) FLOORING
SIZE (LENGTH×WIDTH)	PLANK: 1220×181MM / 1220×228MM / 1524×228MM / 1810×228MM TILE: 620×310MM / 914×457MM
CUSTOMIZABLE	HERRINGBONE: 620×127MM CHEVRON: 620×125MM
THICKNESS	3.5MM / 4.0MM / 4.5MM / 5.0MM / 5.5MM / 6.0MM / 6.5MM / 7.0MM
WEARLAYER	0.3MM / 0.5MM / 0.7MM
SURFACE TEXTURE	LIGHT EMBOSSED / DEEP EMBOSSED / EMBOSSED IN REGISTER(EIR) CORAL / FLAT / LITCHI / SKIN
INSTALLATION	UNILIN / VÄLINGE CLICK SYSTEM
WARRANTY	RESIDENTIAL 15 YEARS, COMMERCIAL 5 YEARS

## TECHNICAL DATASHEET

TEST ITEM	STANDARD	UNIT	TEST RESULTS
Density	EN 323	[kg/m³]	2150 ± 50
Locking Strength	ISO 24334	[kN/m]	Long Side: 3.0 Short Side: 5.0
Dimensional Stability	ISO 23999	[%]	≤ 0.1
Height Differences between Floor Panels	ISO 24343	[mm]	≤ 0.2
Residual Indentation	ISO 10582	[mm]	≤ 0.08
Flatness	ISO 10582	[%]	Length: 0.05 Width: 0.01
Fire Behaviour	EN 13501-1	[class]	Bfl-s1
Slip Resistance	EN 16165	[class]	R10
Slide Resistance	EN 14041	[class]	DS
Thermal Conductivity (λ)	EN 12664	[W/mK]	0.135
Emission of Formaldehyde	EN 717	[class]	E1(Formaldehyde Free)
VOC	EPA 5021		Not Detected
Phthalates	ASTM D3421		Not Detected

### UV Coating

A protective layer that enhances scratch and wear resistance

### Wear Layer

Providing additional durability

### Decor Film

High-quality printed layer that mimics natural materials like wood or stone

### SPC Core

The heart of SPC flooring, consisting of 97% combination of PVC and Calcium in a 1:3 ratio

### Underlayment(Optional)

Usually made of IXPE, EVA or XPS for added comfort and insulation

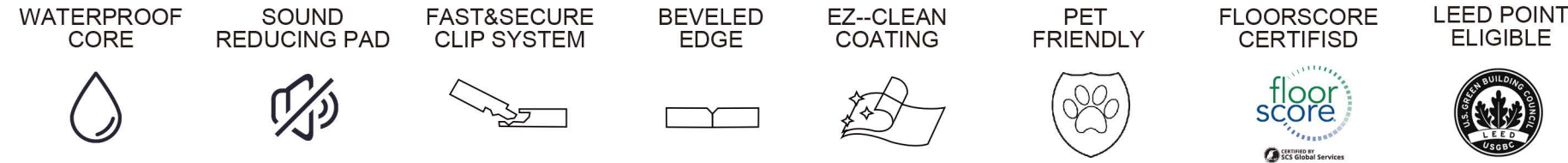
# SPC

### RECOMENDED FOR:

- MULTI-FAMILY
- CONDOMINIUMS
- STUDENT HOUSING



## FEATURES&BENEFITS:



### SPC Core

The heart of SPC flooring, consisting of 97% combination of PVC and Calcium in a 1:3 ratio

### Decor Film

High-quality printed layer that mimics natural materials like wood or stone

### Wear Layer

Providing additional durability

### UV Coating

A protective layer that enhances scratch and wear resistance

### Steel Clip + Click System

Quick and seamless installation, with dual protection

### RECOMENDED FOR:

- MULTI-FAMILY
- CONDOMINIUMS
- STUDENT HOUSING

# SPC WALL

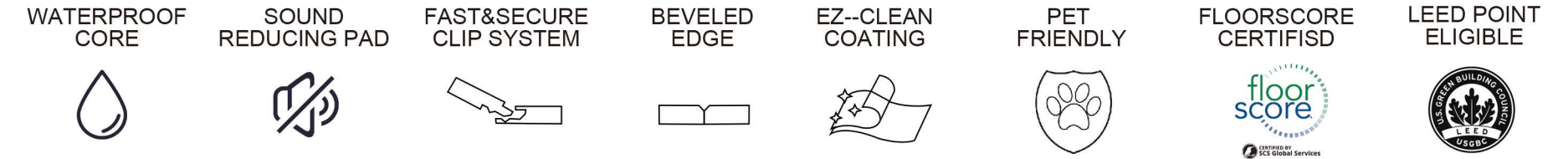
## SPECIFICATIONS:

ITEM	100% VIRGIN SPC(STONE PLASTIC COMPOSITE) WALL
SIZE (WIDTH×LENGTH)	2400×465MM / 2400×600MM / 2800×465MM / 2800×600MM
THICKNESS	4.0MM / 4.5MM / 5.0MM
WEARLAYER	0.2MM / 0.3MM / 0.5MM
SURFACE TEXTURE	CORAL / FLAT / LITCHI / SKIN
INSTALLATION	NORMAL CLICK SYSTEM WITH GLUE
WARRANTY	RESIDENTIAL 15 YEARS, COMMERCIAL 5 YEARS

## TECHNICAL DATASHEET

TEST ITEM	STANDARD	UNIT	TEST RESULTS
Density	EN 323	[kg/m <sup>3</sup> ]	2150 ± 50
Locking Strength	ISO 24334	[kN/m]	Long Side: 3.0 Short Side: 5.0
Dimensional Stability	ISO 23999	[%]	≤ 0.1
Height Differences between Floor Panels	ISO 24343	[mm]	≤ 0.2
Residual Indentation	ISO 10582	[mm]	≤ 0.08
Flatness	ISO 10582	[%]	Length: 0.05 Width: 0.01
Fire Behaviour	EN 13501-1	[class]	Bfl-s1
Slip Resistance	EN 16165	[class]	R10
Slide Resistance	EN 14041	[class]	DS
Thermal Conductivity (λ)	EN 12664	[W/mK]	0.135
Emission of Formaldehyde	EN 717	[class]	E1(Formaldehyde Free)
VOC	EPA 5021		Not Detected
Phthalates	ASTM D3421		Not Detected

## FEATURES&BENEFITS:

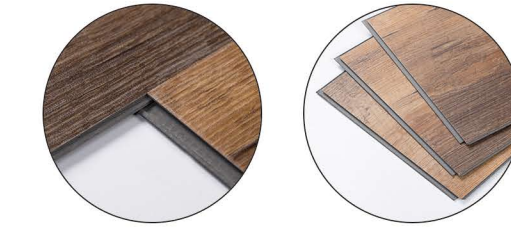


## SPECIFICATIONS:

ITEM	PVC VINYL CLICK FLOORING
SIZE (WIDTH×LENGTH)	PLANK: 16×36" / 6×48" / 7×48" / 8×48" / 9×48" TILE: 18×18" / 18×36" / 36×36" / 24×24" / 12×24"
THICKNESS	4.0MM / 4.5MM / 5.0MM
WEARLAYER	0.3MM / 0.5MM / 0.7MM
SURFACE TEXTURE	LIGHT EMBOSSED / DEEP EMBOSSED CARPET / CORAL / FLAT / LITCHI / SKIN
INSTALLATION	UNILIN / VÄLINGE CLICK SYSTEM
WARRANTY	RESIDENTIAL 15 YEARS, COMMERCIAL 5 YEARS

## TECHNICAL DATASHEET

TEST ITEM	STANDARD	UNIT	TEST RESULTS
Density	EN 323	[kg/m <sup>3</sup> ]	2000 ± 50
Dimensional Stability	ISO 23999	[%]	≤ 0.1
Height Differences between Floor Panels	ISO 24343	[mm]	≤ 0.2
Residual Indentation	ISO 10582	[mm]	≤ 0.1
Fire Behaviour	EN 13501-1	[class]	Bfl-s1
Slip Resistance	EN 16165	[class]	R10
Slide Resistance	EN 14041	[class]	DS
UV Resistance	EN 20105 B02	[grade]	≥ 6
Thermal Conductivity (λ)	EN 12664	[W/mK]	0.079
Emission of Formaldehyde	EN 717	[class]	E1(Formaldehyde Free)
SVHC		[weight by weight]	<0.1%



### UV COATING

### WEAR LAYER

### DECORATIVE PRINTING FILM

### PVC MIDDLE LAYER

### FIBER GLASS LAYER

### BALANCE LAYER (TOP QUALITY VIRGIN PVC)

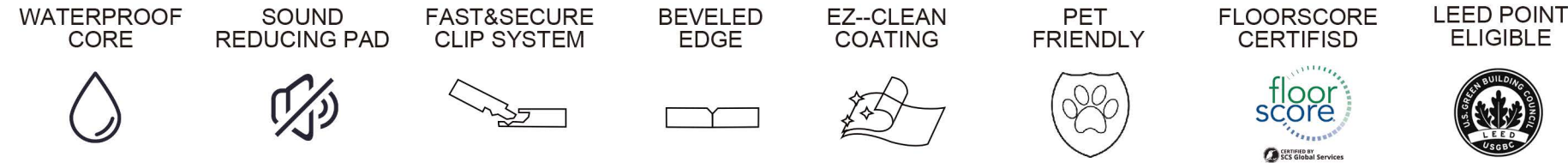
### RECOMENDED FOR:

MULTI-FAMILY · CONDOMINIUMS · STUDENT HOUSING

# PVC CLICK



## FEATURES&BENEFITS:

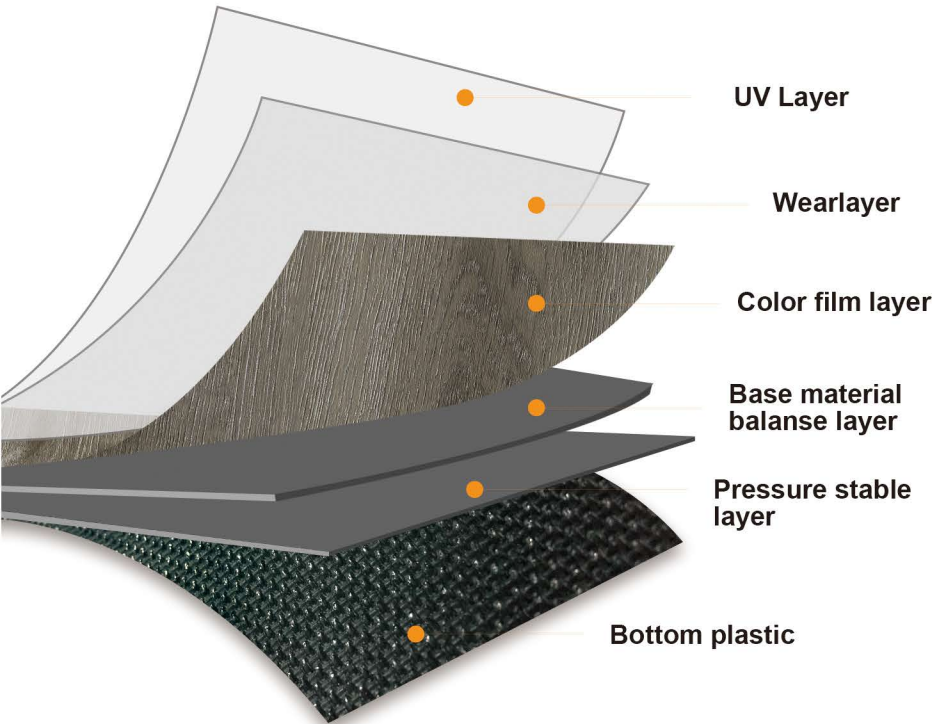


## SPECIFICATIONS:

ITEM	GLUE DOWN VINYL FLOORING
SIZE (WIDTH×LENGTH)	PLANK: 16×36" / 6×48" / 7×48" / 8×48" / 9×48" TILE: 18×18" / 18×36" / 36×36" / 24×24" / 12×24"
THICKNESS	2.0MM / 2.5MM / 3.0MM
WEARLAYER	0.1MM / 0.2MM / 0.3MM / 0.5MM / 0.7MM
SURFACE TEXTURE	LIGHT EMBOSSD / DEEP EMBOSSD CARPET / CORAL / FLAT / LITCHI / SKIN
INSTALLATION	GLUE DOWN
WARRANTY	RESIDENTIAL 15 YEARS, COMMERCIAL 5 YEARS

## TECHNICAL DATASHEET

TEST ITEM	STANDARD	UNIT	TEST RESULTS
Density	EN 323	[kg/m³]	2000 ± 50
Dimensional Stability	ISO 23999	[%]	≤ 0.1
Height Differences between Floor Panels	ISO 24343	[mm]	≤ 0.2
Residual Indentation	ISO 10582	[mm]	≤ 0.1
Fire Behaviour	EN 13501-1	[class]	Bfl-s1
Slip Resistance	EN 16165	[class]	R10
Slide Resistance	EN 14041	[class]	DS
UV Resistance	EN 20105 B02	[grade]	≥ 6
Thermal Conductivity (λ)	EN 12664	[W/mK]	0.079
Emission of Formaldehyde	EN 717	[class]	E1(Formaldehyde Free)
SVHC		[weight by weight]	<0.1%

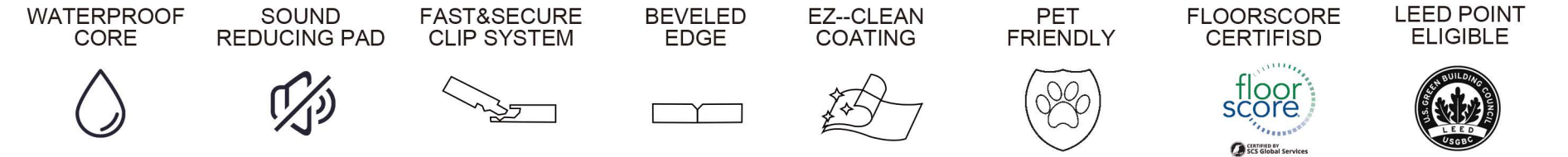


## RECOMENDED FOR:

MULTI-FAMILY · CONDOMINIUMS · STUDENT HOUSING

# DRY BACK

## FEATURES&BENEFITS:

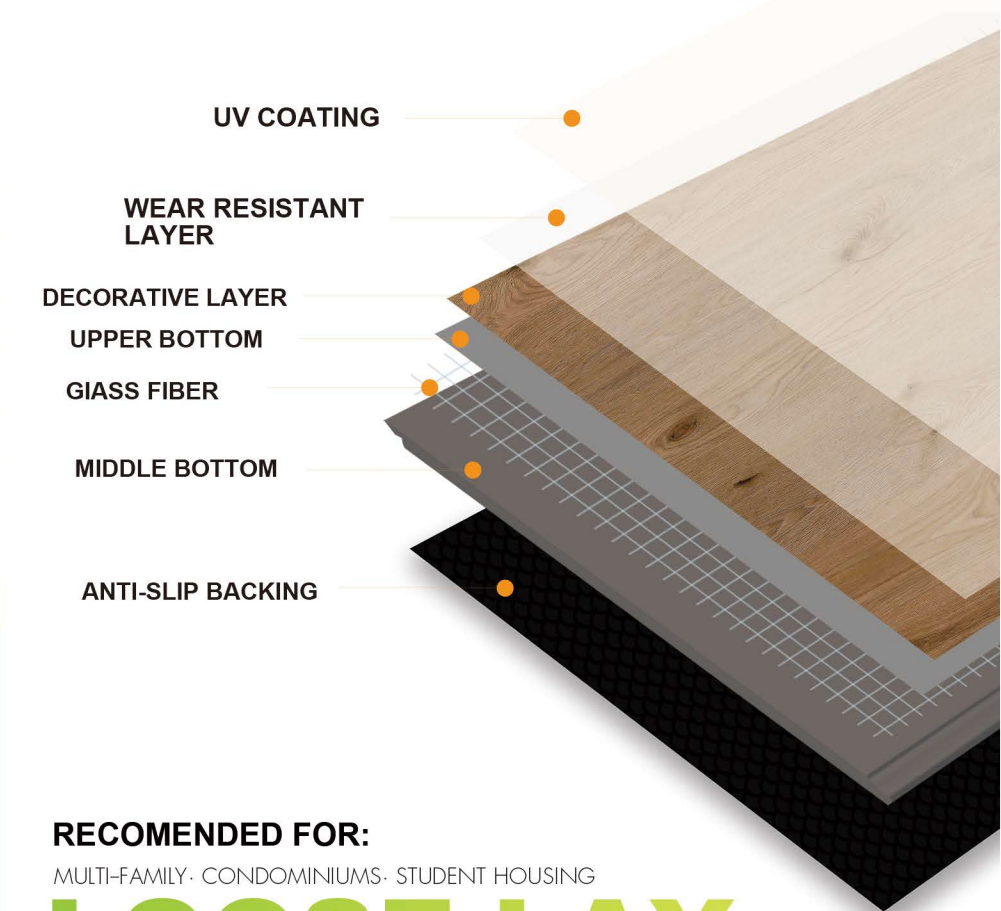


## SPECIFICATIONS:

ITEM	LOOSE LAY VINYL FLOORING
SIZE (WIDTH×LENGTH)	PLANK: 16×36" / 6×48" / 7×48" / 8×48" / 9×48" TILE: 18×18" / 18×36" / 36×36" / 24×24" / 12×24"
THICKNESS	5.0MM
WEARLAYER	0.3MM / 0.5MM / 0.7MM
SURFACE TEXTURE	LIGHT EMBOSSD / DEEP EMBOSSD CARPET / CORAL / FLAT / LITCHI / SKIN
INSTALLATION	LAY DOWN
WARRANTY	RESIDENTIAL 15 YEARS, COMMERCIAL 5 YEARS

## TECHNICAL DATASHEET

TEST ITEM	STANDARD	UNIT	TEST RESULTS
Density	EN 323	[kg/m³]	2000 ± 50
Dimensional Stability	ISO 23999	[%]	≤ 0.1
Height Differences between Floor Panels	ISO 24343	[mm]	≤ 0.2
Residual Indentation	ISO 10582	[mm]	≤ 0.1
Fire Behaviour	EN 13501-1	[class]	Bfl-s1
Slip Resistance	EN 16165	[class]	R10
Slide Resistance	EN 14041	[class]	DS
UV Resistance	EN 20105 B02	[grade]	≥ 6
Thermal Conductivity (λ)	EN 12664	[W/mK]	0.079
Emission of Formaldehyde	EN 717	[class]	E1(Formaldehyde Free)
SVHC		[weight by weight]	<0.1%



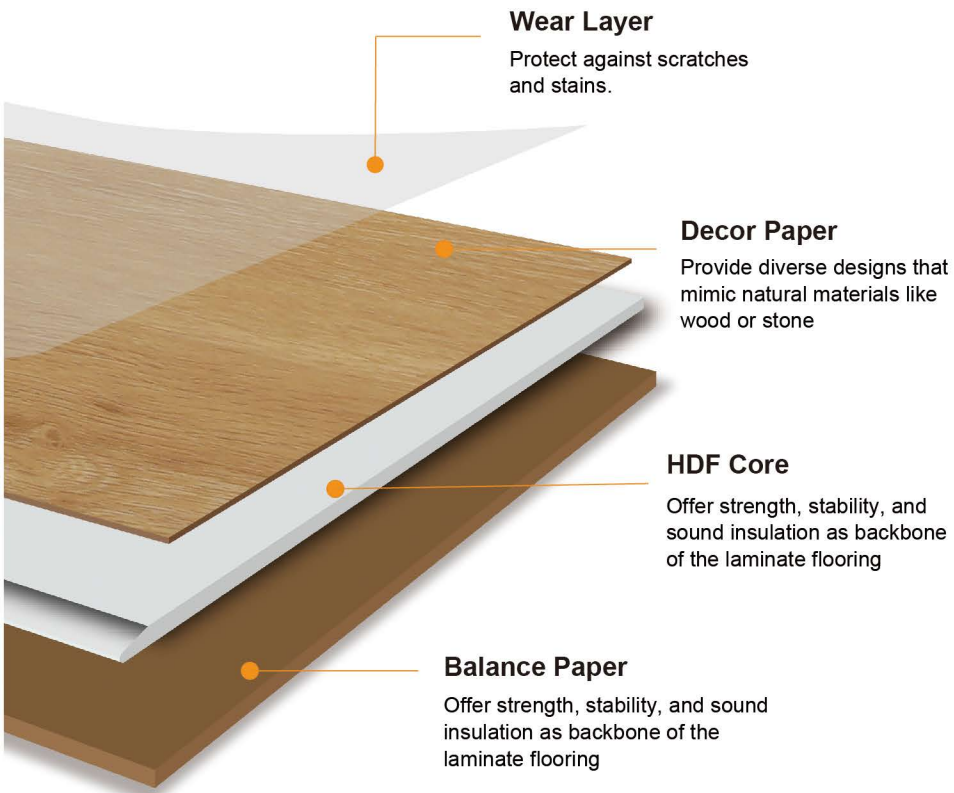
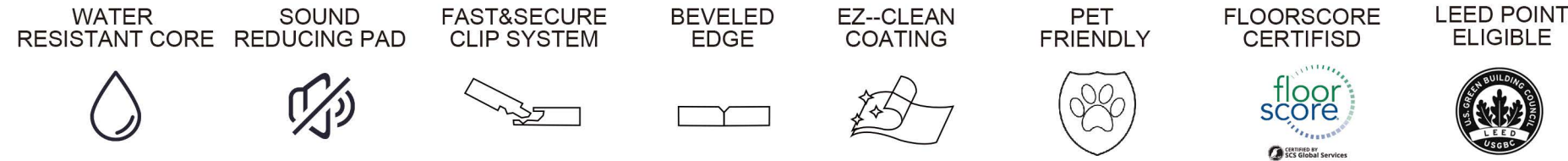
## RECOMENDED FOR:

MULTI-FAMILY · CONDOMINIUMS · STUDENT HOUSING

# LOOSE LAY



## FEATURES&BENEFITS:



### RECOMENDED FOR:

MULTI-FAMILY · CONDOMINIUMS · STUDENT HOUSING

# LAMINATE FLOORING

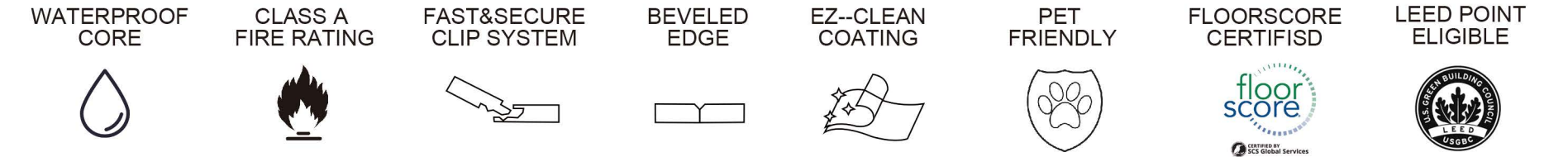
## SPECIFICATIONS:

ITEM	LAMINATE FLOORING
SIZE (LENGTH×WIDTH)	PLANK: 1215×145MM / 1215×198MM / 1215×240MM / 1510X235MM TILE: 600×600MM HERRINGBONE: 606×101MM PARQUET: 1215×405MM
THICKNESS	8MM / 10MM / 12MM
WEARLAYER	AC3 / AC4 / AC5
WATER ABSORPTION	≤ 15% / ≤10% / ≤5%
SURFACE TEXTURE	WOOD EMBOSSED / HAND SCRAPE / CRYSTAL / EMBOSSED IN REGISTER(EIR)
INSTALLATION	UNILIN / VÄLINGE CLICK SYSTEM
WARRANTY	RESIDENTIAL 15 YEARS, COMMERCIAL 5 YEARS

## TECHNICAL DATASHEET

TEST ITEM	STANDARD	UNIT	TEST RESULTS
Density	EN 323	[kg/m <sup>3</sup> ]	860 ± 30
Locking Strength	ISO 24334	[kN/m]	Long Side ≥ 1 Short Side ≥ 2
Height Differences between Floor Panels	ISO 24343	[mm]	≤ 0.2
Edge Swelling(24h)	EN 13329	[%]	≤ 15
Fire Behaviour	EN 13501-1	[class]	Cfl-s1
Slide Resistance	EN 14041	[class]	DS
Light Fastness	EN ISO 4892	[grade]	≥ 4
Thermal Conductivity (λ)	EN 12664	[W/mK]	0.14
Emission of Formaldehyde	EN 717	[class]	E1

## FEATURES&BENEFITS:

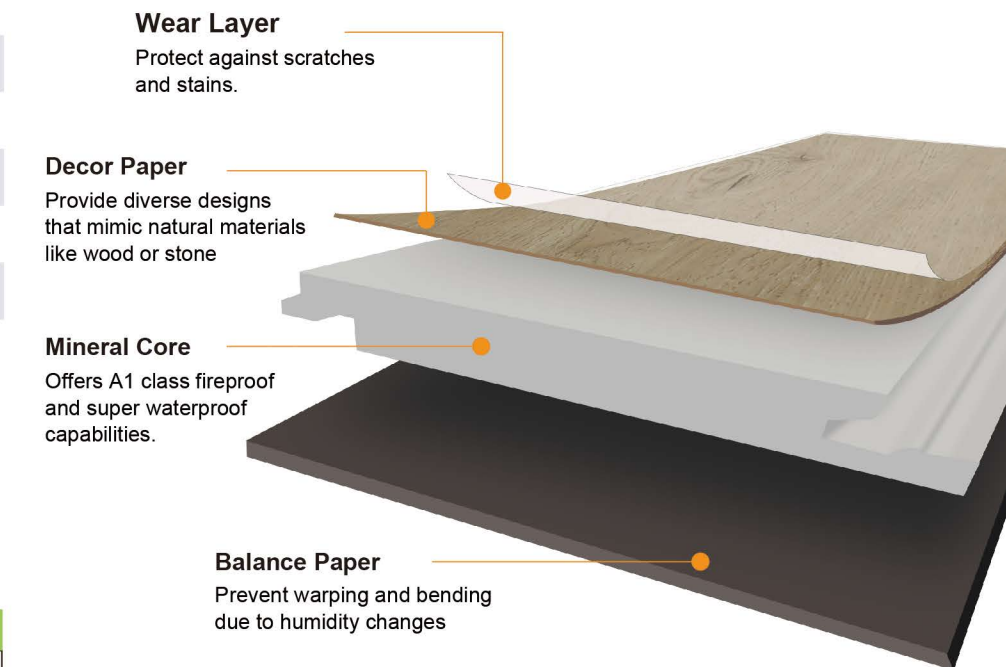


## SPECIFICATIONS:

ITEM	MGO (MAGNESIUM OXYSULPHATE) FLOORING
SIZE (LENGTH×WIDTH)	1215×198MM
THICKNESS	8MM
WEARLAYER	AC3 / AC4 / AC5
SURFACE TEXTURE	WOOD EMBOSSED / HAND SCRAPE / CRYSTAL
INSTALLATION	UNILIN / VÄLINGE CLICK SYSTEM
WARRANTY	RESIDENTIAL 15 YEARS, COMMERCIAL 5 YEARS

## TECHNICAL DATASHEET

TEST ITEM	STANDARD	UNIT	TEST RESULTS
Density	EN 323	[kg/m <sup>3</sup> ]	1300 ± 100
Locking Strength	ISO 24334	[kN/m]	Long Side ≥ 1 Short Side ≥ 2
Height Differences between Floor Panels	ISO 24343	[mm]	≤ 0.2
Fire Behaviour	ASTM E84	[class]	A
Edge Swelling(24h)	EN 13329	[%]	≤ 5
Slide Resistance	EN 14041	[class]	DS
Thermal Conductivity (λ)	EN 12664	[W/mK]	0.18
Emission of Formaldehyde	EN 717	[class]	E1(Formaldehyde Free)



### RECOMENDED FOR:

MULTI-FAMILY · CONDOMINIUMS · STUDENT HOUSING

# MGO FLOORING





HR1541-15



HR525-11



HR6559-12



HR1059-6



HR6533-11



HR6180-1



HR88001-002



HR6110-94



HR6631-15



HR1605-9



HR8850-4



HR88075-008



HR413-03





HR205-20



HR223-2



HR3018-001



HR231-7



HR6661-32



HR8338-2



HR81107-5



HR88065-2



HR0119-12



HR6004-15



HR610-03



HR1028-71



HR6732-1



HR9005-5



HR81115-1



HR210517-04



HR202-12



HR6004-3





HR7171-1



HR88053-001



HR8842-1



HR6087-109



HR6527-11



HR313-05



HR88075-001



HR1524-7



HR6062-31



HR6111-18



HR20080-01



HR200617-11



HR7138-200



Embossed In Register(EIR)



HR6607-12



HR1634-3



HR643-6



HR88236-5



HR1701-20



HR1634-11



HR581-03



HR468-40



HR6739-1



HR6665-3



HR6502-6



HR88237-10



HR205-2



HR7002-7



HR88001-002



HR0119-2



Embossed In Register(EIR)



HR064-3



HR8851-1



HR1643-1



HR1549-2



HR6733-4



HR551-12



HR6732-1



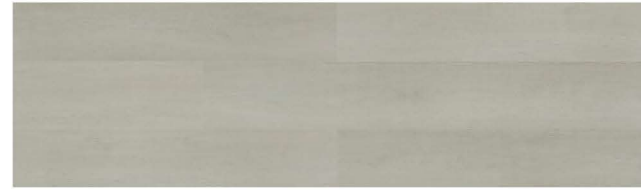
HR190-60



HR0119-28



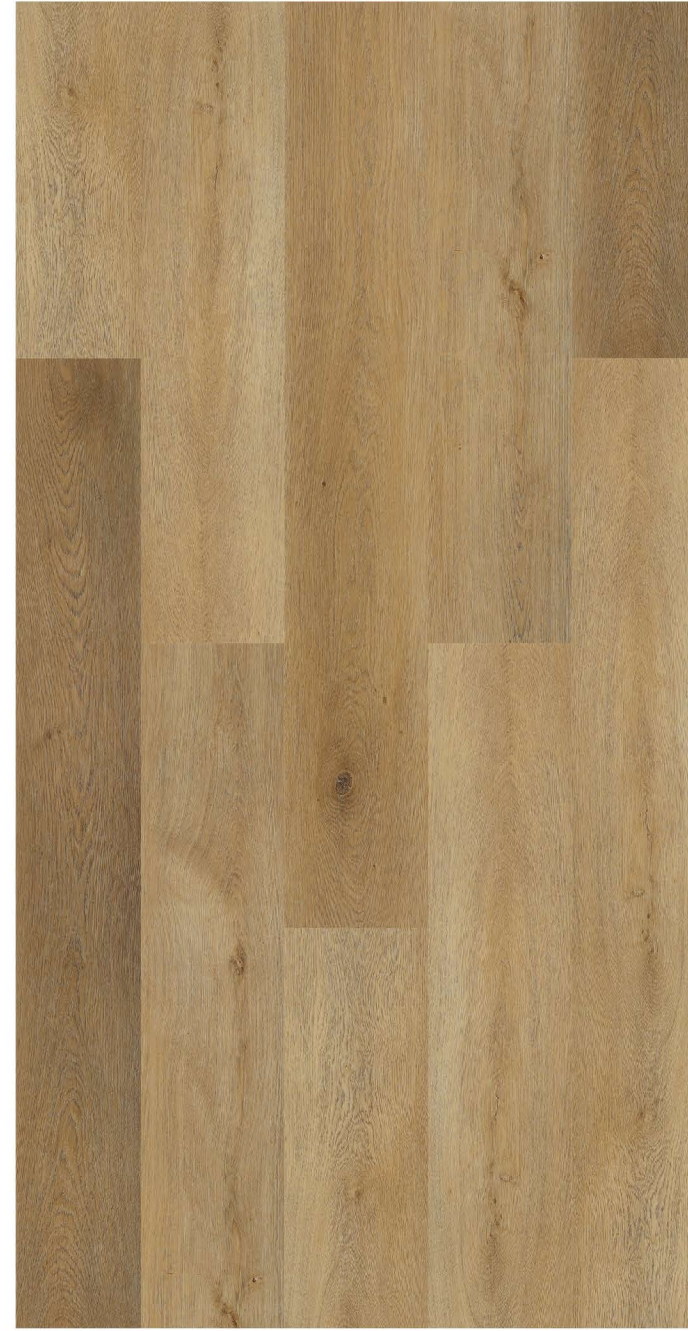
HR468-40



HR6005-15



HR7002-16



HR1701-1



HR8807-10





HR1515-1



HR1180-28



HR200617-04



HR525-26



HR2081-9



HR1605-9



HR6631-11

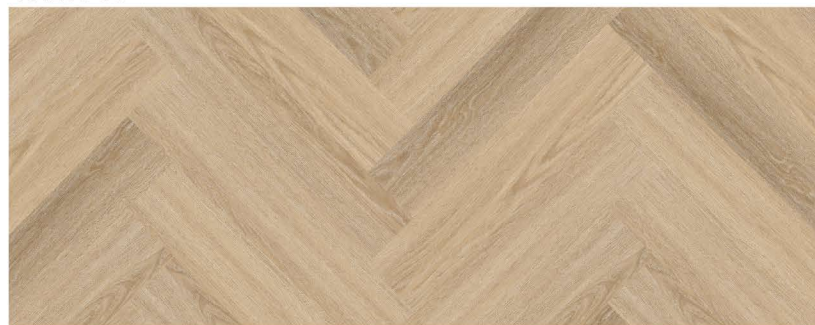


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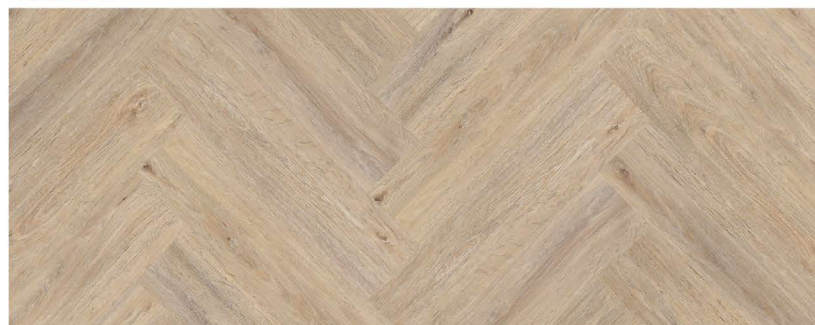




HR205-33



HR223-2



HR1020-1



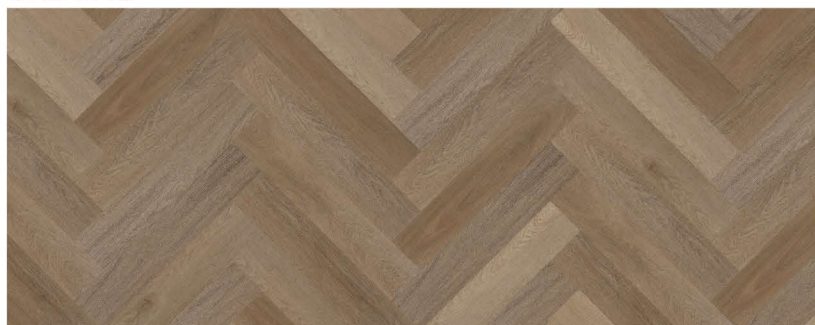
HR3741-2



HR231-7



HR3741-28



HR3033-011



HR6052-3



HR6083-3



HR6520-7



HR6029-38A





HR6560-7



HR6607-12



HR6607-13



HR6610-41



HR6610-42



HR6610-43



HR6610-45



HR81996-1



HR6010-44



HR6010-44





HR6143-1



HR6539-1



HR6008-7



HR3693-1



HR8000-50



HR83001-002



HR83003-008



HR8000-68



HR8000-68





HR101-2



HR101-4



HR101-5



HR101-6



HR101-9



HR107-2



HR107-6



HR109-3







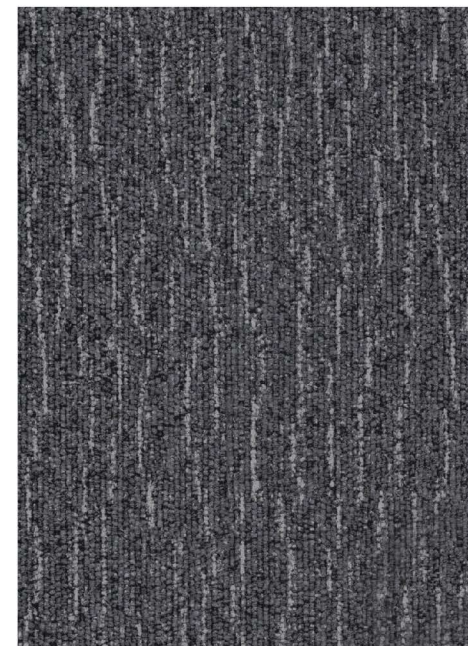
HR5801-2



HR5801-3



HR5801-4



HR5801-4



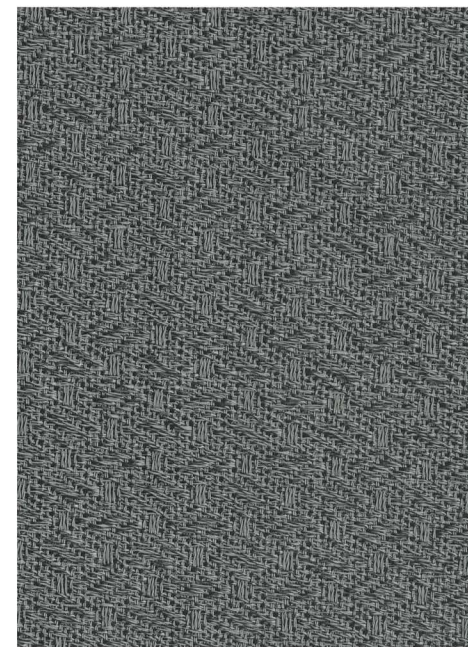
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HR5804-3



HR5804-6



HR5803-3



HR5801-2

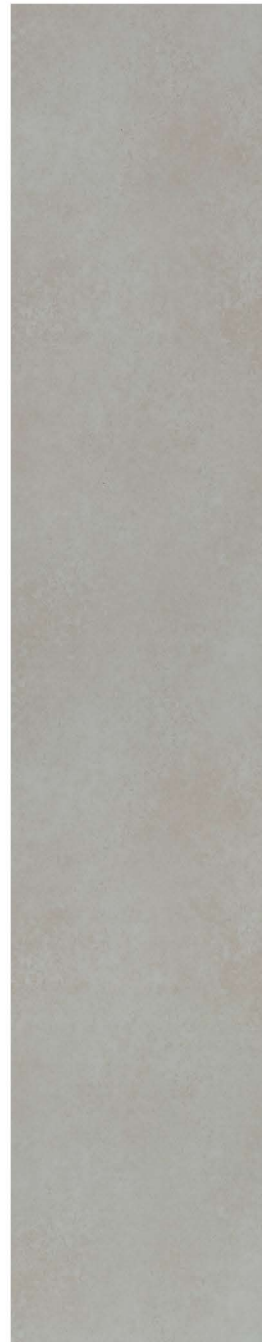




HR6002-21



HR6002-22



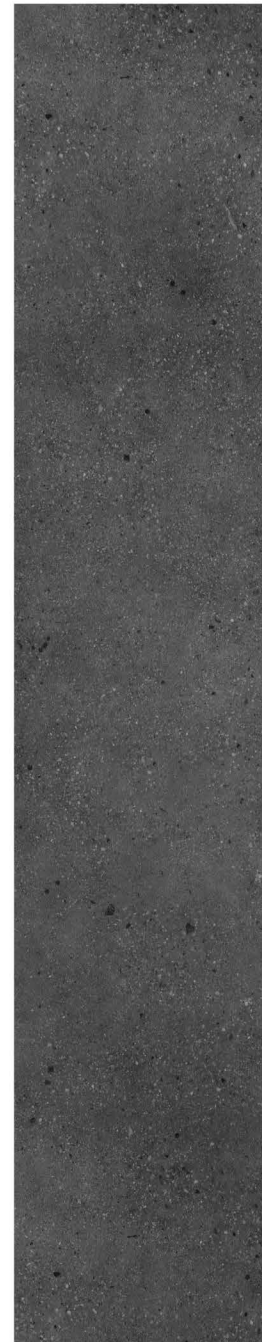
HR6002-20



HR109-3-001



HR2087-4



HR2087-7



HR6302-1



HR109-3





HR0002-4



HR0002-12



HR6143-1

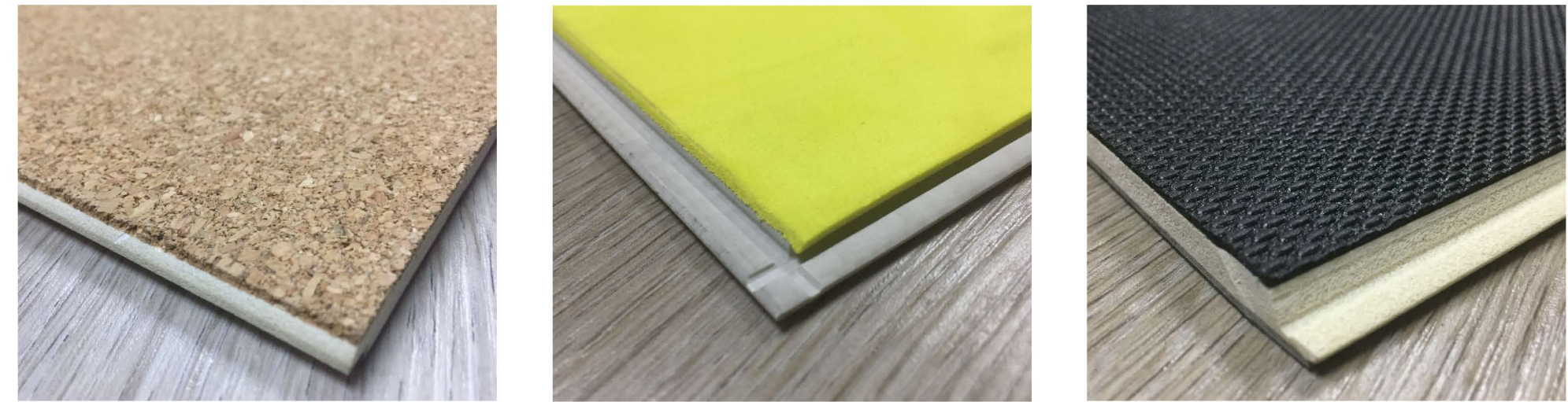


HR6090-11

VINYL FLOORING-SURFACE



UNDERLAYMENT







**T-MOLDING**

SIZE(MM): 2400\*46\*7

PACKING: 20PC/CTN

WEIGHT: 10.0KGS

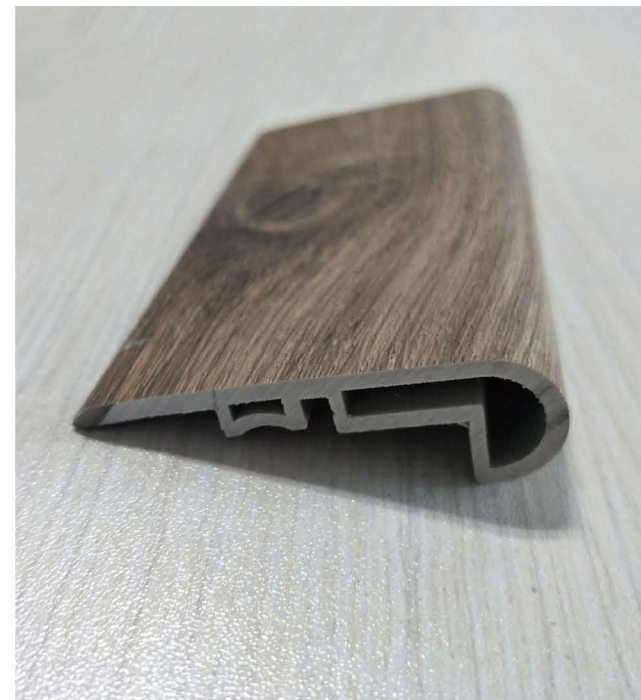



**REDUCER**

SIZE(MM): 2400\*43\*10

PACKING: 20PC/CTN

WEIGHT: 14.3KGS

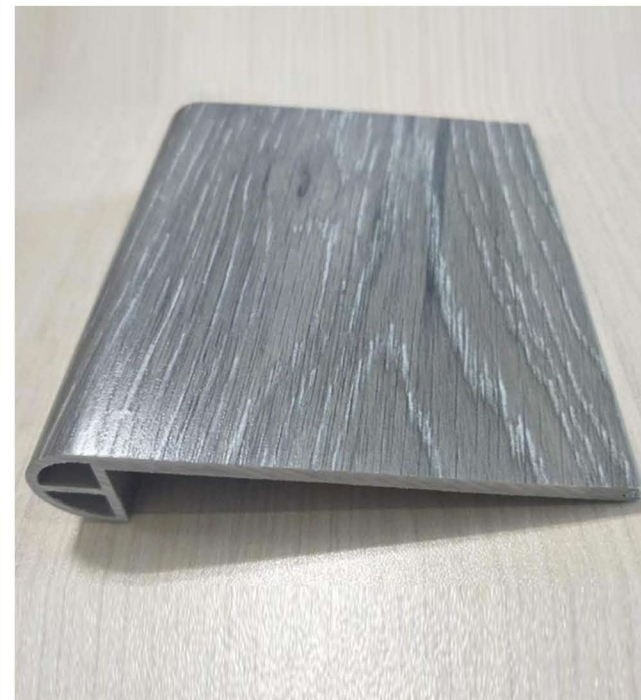



**STAIR NOSE**

SIZE(MM): 2400\*54\*18

PACKING: 10PC/CTN

WEIGHT: 11KGS

**FLUSH STAIR NOSE A**

SIZE(MM): 2400\*72\*25

PACKING: 10PC/CTN

WEIGHT: 15KGS

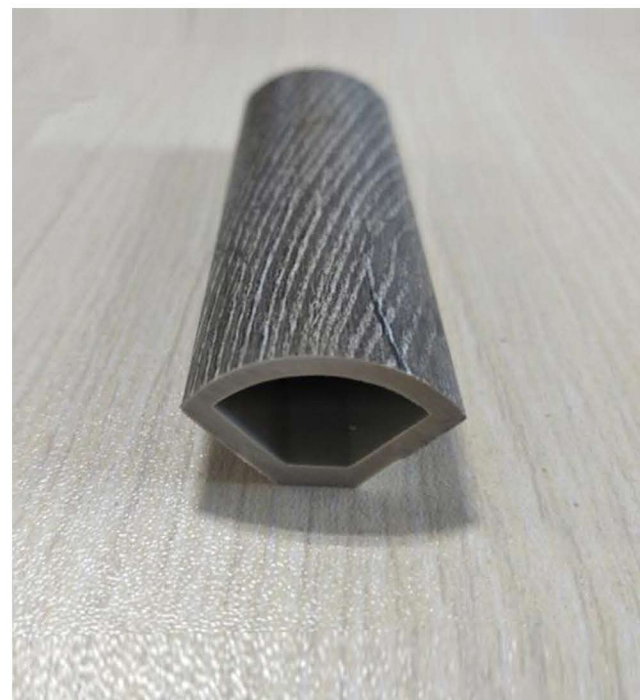



**END-CAP**

SIZE(MM): 2400\*35\*10

PACKING: 20PC/CTN

WEIGHT: 13.4KGS





**QUARTER ROUND**

SIZE(MM): 2400\*28\*16

PACKING: 25PC/CTN

WEIGHT: 16.26KGS

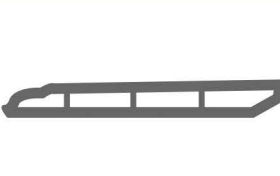



**SKIRTING 80MM**

SIZE(MM): 2400\*80\*15

PACKING: 10PC/CTN

WEIGHT: 11KGS





**SKIRTING 90MM**

SIZE(MM): 2400\*90\*15

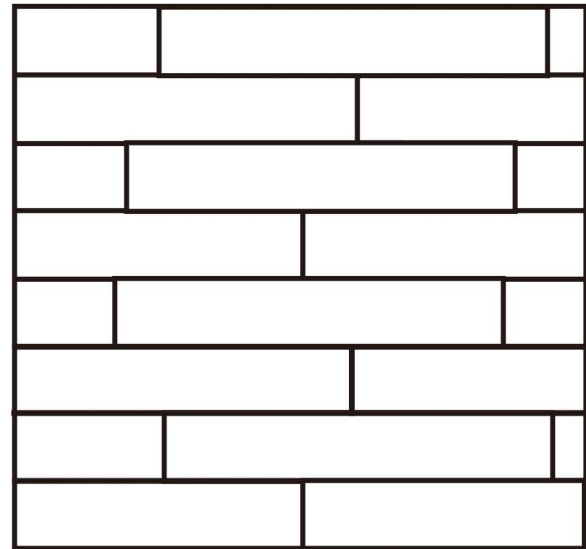
PACKING: 10PC/CTN

WEIGHT: 19.5KGS

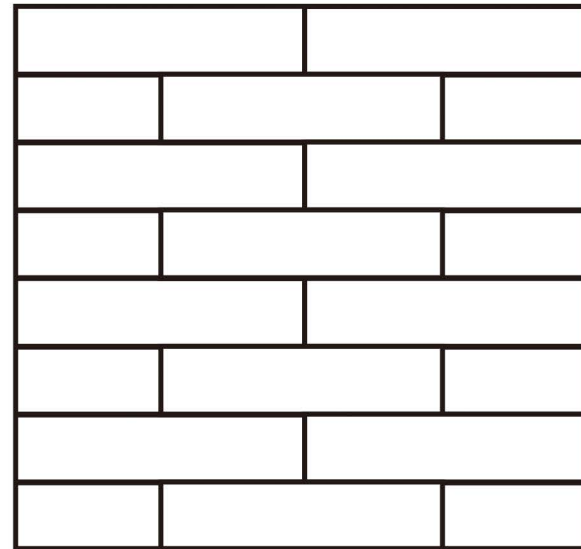




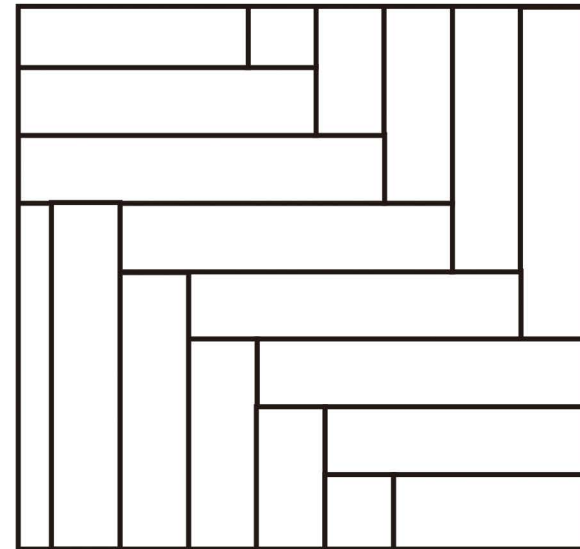
## INSTALLATION METHODS



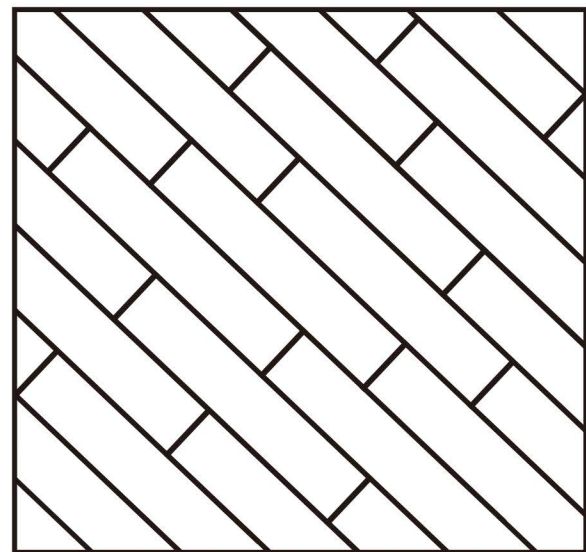
90°RANDOM



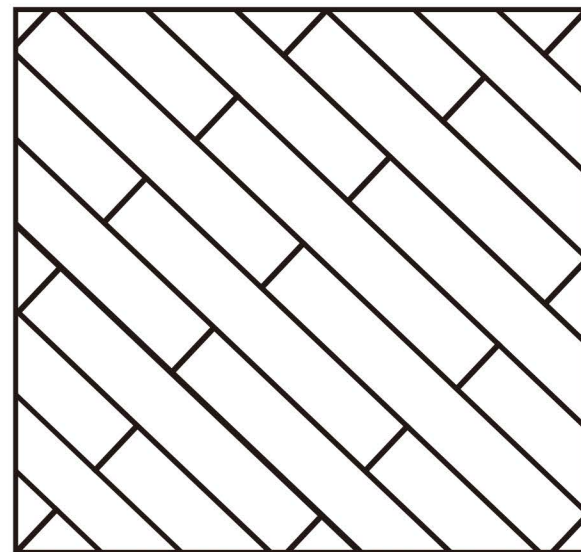
90°SUBWAY STYLE



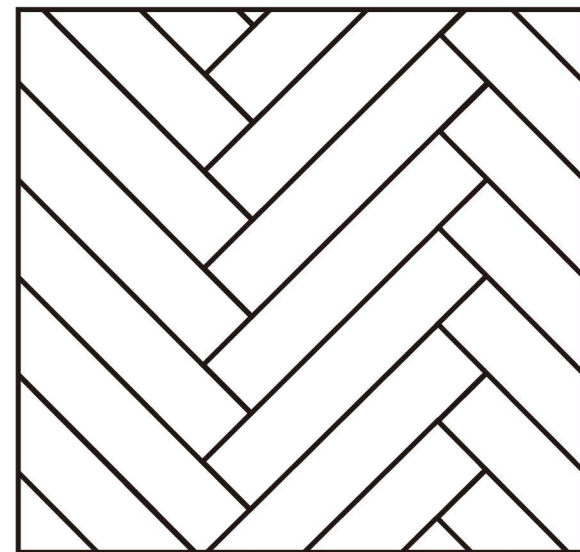
90° HERRINGBONE\*



45°RANDOM



45°SUBWAY STYLE



45° HERRINGBONE\*

## PRODUCTION LINE DISPLAY

