



Elite  
HOME DECOR



# SPC FLOORING

Website: [www.Elitehd.sa](http://www.Elitehd.sa)





*SPC Flooring*





# CONTENTS

01

SPC Flooring

02

Advantages & Structure

03

Classic Collection

04

Packagings & Loading

05

Accessories

06

Technical Data Sheet

07

How to Install?





# SPC Flooring, the Next Generation of Floor Surface

ELI Home proudly presents SPC flooring, a cutting-edge material that redefines excellence in flooring. SPC flooring features an extruded core material composed of calcium carbonate, polyvinyl chloride, and stabilizer, making it a composite material of superior quality. With its unmatched qualities of being waterproof rigid, and dimensionally stable, SPC flooring stands at the forefront of innovation.

SPC flooring is made from high-density stone plastic composite material, offering exceptional wear resistance and impact durability. It is resistant to deformation and cracking, making it ideal for high-traffic areas such as homes, commercial spaces, and public venues. Its rigid core structure ensures dimensional stability, even in environments with fluctuating temperatures and humidity levels.

---

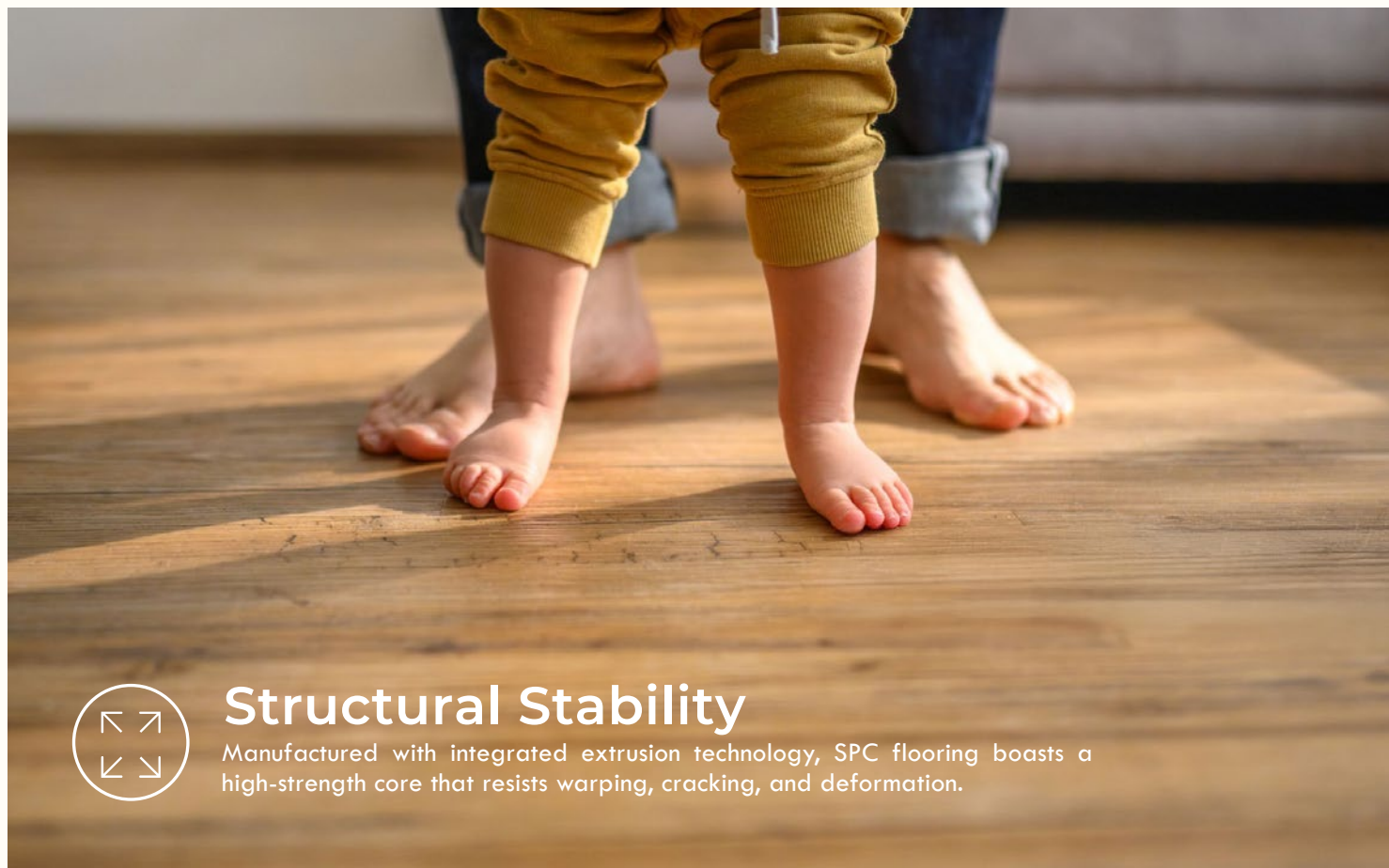


# Advantages & Structure



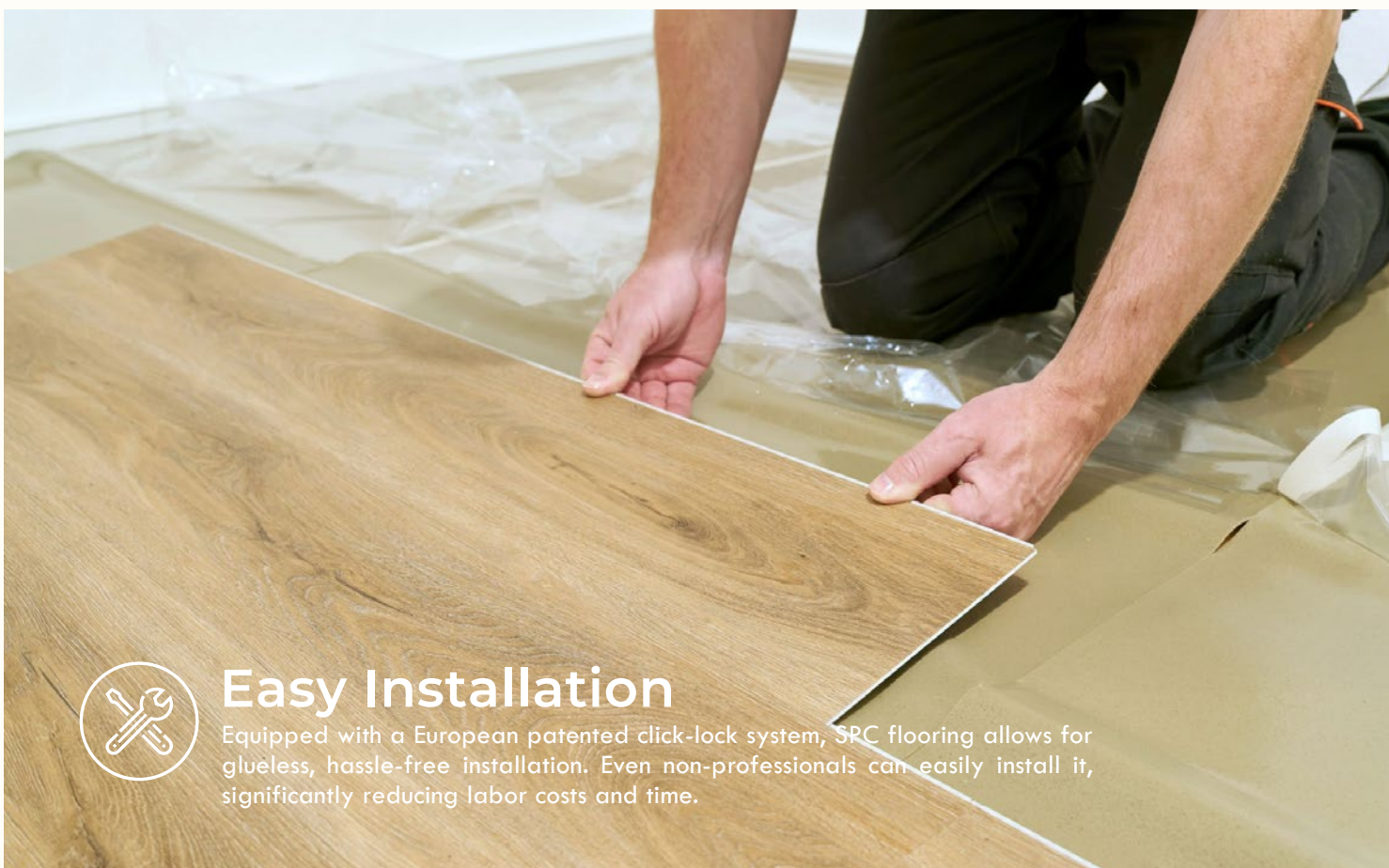


# Such excellent performance



## Structural Stability

Manufactured with integrated extrusion technology, SPC flooring boasts a high-strength core that resists warping, cracking, and deformation.

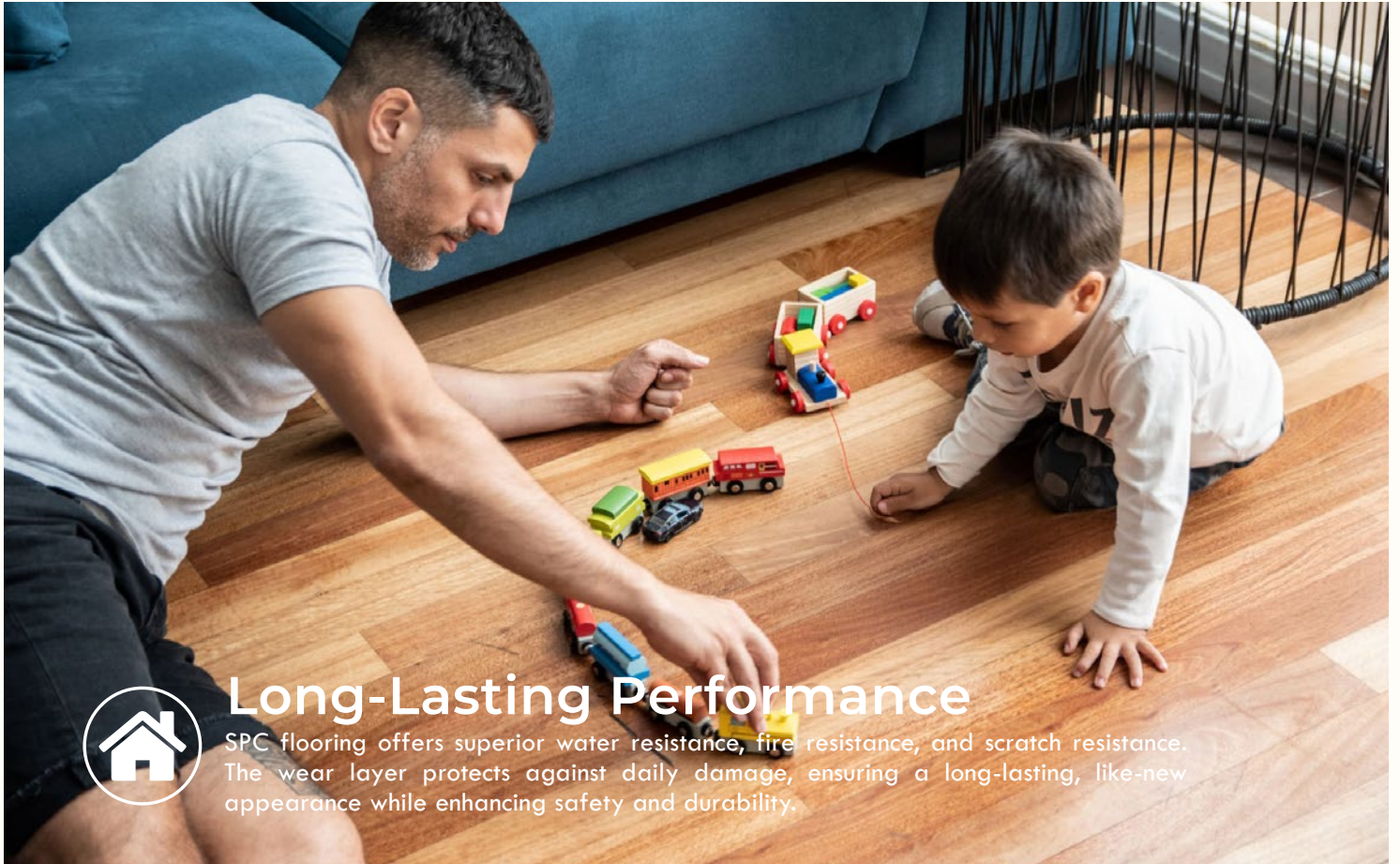


## Easy Installation

Equipped with a European patented click-lock system, SPC flooring allows for glueless, hassle-free installation. Even non-professionals can easily install it, significantly reducing labor costs and time.



# Such excellent performance



## Long-Lasting Performance

SPC flooring offers superior water resistance, fire resistance, and scratch resistance. The wear layer protects against daily damage, ensuring a long-lasting, like-new appearance while enhancing safety and durability.



## Sustainable Production

Made from formaldehyde-free, heavy metal-free, and low-VOC materials, SPC flooring meets international environmental standards. Its sustainable production process minimizes carbon emissions, ensuring a healthier and more eco-friendly flooring solution for consumers.



# Structures

## Wear Layer

Protecting flooring from scuff marks  
providing a maintenance-free finish

## Double UV coating

Superior scratch resistance and anti-fouling  
Improved UV resistance to prevent fading  
Comfortable and natural surface gloss

## HD Decor Films

Thousands of wood, stone, and carpet color  
High definition and realistic images

## SPC Rigid Core

Virgin extruding diamond core board  
Dimensionally stable Bearing heavy loads

## IXPE Underlay (Optional)

Sound-proof & Moisture-proof  
Harmless and environmental-friendly





# Classic Collection





# Classic Collection

	SPC Plank	SPC Tile	SPC Herringbone
Length(mm):	<div><input type="radio"/> 1220mm</div> <div><input type="radio"/> 1520mm</div> <div><input type="radio"/> 1820mm</div>	<div><input type="radio"/> 610mm</div> <div><input type="radio"/> 900mm</div>	<div><input type="radio"/> 640mm</div>
Width(mm):	<div><input type="radio"/> 150mm</div> <div><input type="radio"/> 180mm</div> <div><input type="radio"/> 228mm</div>	<div><input type="radio"/> 305mm</div> <div><input type="radio"/> 470mm</div>	<div><input type="radio"/> 128mm</div>
Thickness(mm):	<div><input type="radio"/> 4.0mm</div> <div><input type="radio"/> 4.5mm</div> <div><input type="radio"/> 5.0mm</div> <div><input type="radio"/> 5.5mm</div> <div><input type="radio"/> 6.0mm</div>		
Wear Layer(mm):	<div><input type="radio"/> 0.3mm</div> <div><input type="radio"/> 0.5mm</div>		
Bevels:	<div><input type="radio"/> No Bevels</div> <div><input type="radio"/> 4 sided painted bevels</div> <div><input type="radio"/> Micro Bevels</div>		
Surface:	<div><input type="radio"/> Deep Embossed</div> <div><input type="radio"/> Light Embossed</div>	<div><input type="radio"/> Skin</div> <div><input type="radio"/> Coral</div> <div><input type="radio"/> Flat</div>	<div><input type="radio"/> Deep Embossed</div> <div><input type="radio"/> Light Embossed</div>
Underlay(optional):	<div><input type="radio"/> IXPE</div> <div><input type="radio"/> Cork</div>		



# Color Style



































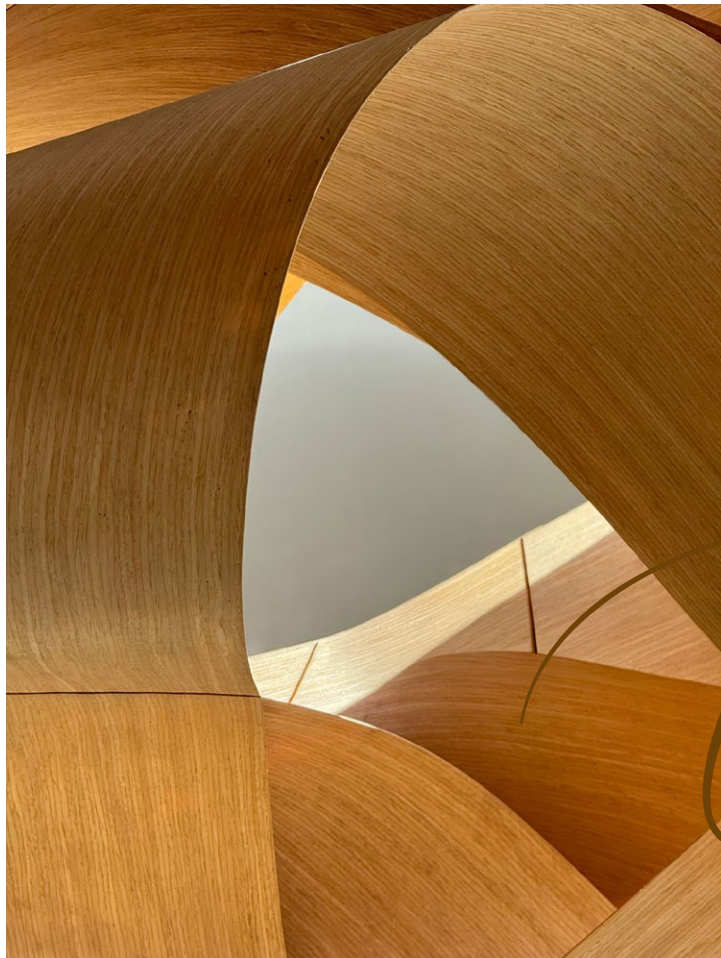












Color



# Accessories

## T-molding



**Size:** L:2400mm W:45mm H:6.8mm

**Packing:** L:2450mm W:130mm H:85mm 20pc/ctn

**Weight:** 13.5kg

**Use:** It is used for smooth transition between two floors of the same heights.

## Reducer



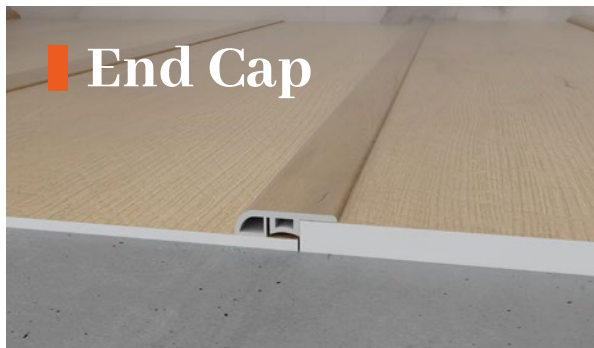
**Size:** L:2400mm W:45mm H:6.8mm

**Packing:** L:2450mm W:130mm H:85mm 20pc/ctn

**Weight:** 15.5kg

**Use:** It is used to create a smooth transition between two floors of different heights, as well as protect the planks.

## End Cap



**Size:** L: 2400mm W: 35mm H: 8mm

**Packing:** L:2450mm W:130mm H:85mm 20pc/ctn

**Weight:** 14kg

**Use:** It is used as the finishing touch of the flooring edge at outside doors.

## Wall Board



**Size:** L: 2400mm W: 80mm H: 15mm

**Packing:** L:2450mm W:140mm H:85mm 10pc/ctn

**Weight:** 22kg

**Use:** It serves as a transition from a horizontal surface to the vertical surface of a wall.

## Quarter Round



**Size:** L:2400mm W:28mm H:15mm

**Packing:** L:2450mm W:155mm H:85mm 40pc/ctn

**Weight:** 31.6kg

**Use:** It serves as a transition from a horizontal surface to the vertical surface of a wall.

## Concave Molding



**Size:** L:2400mm W:28mm H:16mm

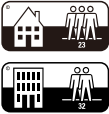











**Packing:** L:2450mm W:155mm H:85mm 40pc/ctn

**Weight:** 32.2kg

**Use:** It creates a subtle blend between the floor and the wall.















# Technical Data

Symbol	Item	Test Method	Requireme (Test Standard)	Test Result
	Classification (Level of use)	EN ISO 10582	<b>Domestic - Heavy (Class 23)</b> Wear Layer (Nominal): $\geq 0.30\text{mm}$ Overall Thickness (Nominal): $\geq 1.5\text{mm}$	Pass (Nominal)
			<b>Commercial - Very Heavy (Class 32)</b> Wear Layer (Nominal): $\geq 0.40\text{mm}$ Overall Thickness (Nominal): $\geq 2.0\text{mm}$	Pass (Nominal)
	Side length Width	ISO 24342	Deviation $\leq 0.10\%$ of up to 0.5 mm Deviation $\leq 0.10\%$ of up to 0.5 mm maximum	Average:1500mm
				Average:228.13mm
	Squareness	ISO 24342	Side length $\leq 400\text{mm}$ : $\leq 0.25\text{ mm}$ ; Side length $> 400\text{mm}$ : $\leq 0.35\text{ mm}$ ;	Deviation range: X Direction: $-0.05\sim 0.00\text{mm}$ Y Direction: $-0.05\sim 0.05\text{mm}$
	Straightness	ISO 24342	Side length $> 400\text{ mm}$ (intended for heat welding): $\leq 0.50\text{mm}$ ;	Deviation range: X Direction: $0.00\sim +0.05\text{mm}$ Y Direction: $0.00\sim +0.05\text{mm}$
	Overall thickness	ISO 24346	Specimen: $150\times 150\times 6.5\text{mm}$ , 5pcs Mass applied: $0.20\pm 0.02\text{kg}$ Diameter of upper plate: $25.3\pm 0.1\text{mm}$ Load time: 5s	Ave. : 6.63mm Max.: 6.68mm Min. : 6.54mm
	Thickness of Wear Layer	ISO 24340	Average value: Nominal thickness $+13\%/-10\%$ & $\pm 0.1\text{mm}$ ( $0.45\text{mm}\sim 0.56\text{mm}$ ); Individual results: $>$ average value $-0.05\text{mm}$ or $-15\%$ , whichever is greater ( $> 0.43\text{mm}$ )	Ave. : 0.48mm Max.: 0.50mm Min. : 0.45mm
	Wear resistance	EN 13329	Type of wheel:CS-0 Load: $5.4\pm 0.2\text{N/ wheel}$ Abrasive paper:S-42	Excellent Average abrasion cycles: 9600 revolutions
	Reaction to Fire & Smoke Production	EN 13501-1	Bfl-s1 Classification Critical Flux: $\geq 8.0\text{kW/m}$ Flame Spread: $\leq 150\text{mm}$ within 20s Smoke value as % x min: $\leq 750$	Bfl-s1
	Formaldehyde Emission	EN 717-1	Method Detection Limit: $0.080\text{ mg/m}^3$	Not Detected Formaldehyde free
	Mass per unit area	ISO 23997	Nominal value $+13\%/-10\%$	Average:10590 g/m2 Deviation from nominal value: 0%
	Dimensional stability	ISO 23999	Tiles/planks intended for dry-joint laying and glued installation: $\leq  0.25 \%$ ; Tiles/planks intended for loose lay or floating installation: $ 0.15 \%$ .	Average: X Direction: $-0.05\%$ Y Direction: $0.00\%$
	Curling	ISO 23999	Tiles/planks intended for dry-joint laying and glued installation: $\leq  2 \text{mm}$ ; Tiles/planks intended for loose lay or floating installation: $\leq  1 \text{mm}$ .	Average: Curling initial: 0.5mm Curling final: 0.0mm



# Technical Data

Symbol	Item	Test Method	Requireme (Test Standard)	Test Result
	Residual indentation	ISO 24343-1	≤ 0.1mm	Average: 0.04mm
	Effect Of A Castor Chair	ISO 4918	(only for ≥class32) After 25,000 cycles, no delamination shall occur. No disturbance to the surface other than a slight change in appearance.	No visible damage
	Colour Fastness To Light	ISO 105-BO2	6 minimum	Comparison upto blue wool reference 6; Grade (B.W.S): Better than 6
	Flatness	ISO 10582	Length flatness: concave ≤0.50% convex ≤1.00%	Length flatness(X): no concave convex 0.02%
			Width flatness:	Width flatness(Y): concave 0.10% convex 0.05%
	Openings	ISO 10582	Ave.: ≤0.15mm Individual values: ≤0.20mm	Ave.: 0.00mm Max.: 0.05mm
	Height Difference	ISO 10582	Ave.: ≤0.10mm Individual values: ≤0.15mm	Ave.: 0.05mm Max.: 0.10mm
	Locking Strength	ISO 10582	Only for Commercial use: Class 31,32,33: ≥1.5 kN/m; Class 34:≥2.0 kN/m	Average: Long side(X):4.8 kN/m Short side(Y):4.1 kN/m
	Binder Content (Composition Analysis)*	ISO 10582	100%	76% PVC 24% DOTP&Stearic acid salt (Stearic acid salt<1%)
	Slip resistance	AS 4586	Oil-wet ramp test	R10 Class Critical angle of inclination: 15.2°
	Chemical Resistance	ASTM F925-13	No more than a slight change in surface dulling, surface attack or staining	Rating 0: No change
	Thermal Conductivity	EN 14041	N/A	0.098 W/(m·K) at 25 °C
	Airborne sound transmission loss	ASTM E90-09 ASTM E413-16	N/A	STC= 73dB IIC = 75dB
	Airborne sound transmission loss	ASTM E492-09 ASTM E989-18	N/A	



A close-up photograph showing two hands installing a dark wood-grain SPC flooring plank. The hands are positioned to click the plank into place over a light-colored subfloor. The plank has a realistic wood grain pattern and a slightly distressed finish. The background is a plain, light-colored wall.

# How to Install?

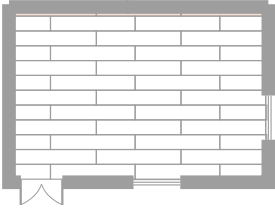
SPC flooring features a click-lock system, allowing for quick and easy installation without the need for glue. Whether installed by professionals or as a DIY project, it ensures a hassle-free process. The planks fit securely without requiring complex tools, significantly reducing installation time and labor costs. Ideal for homes and commercial spaces, SPC flooring makes renovation more efficient and effortless.



# Installation



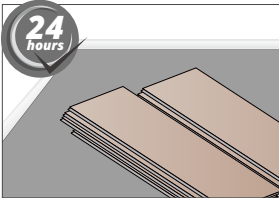
## Preparation



### 01 Measurement and Planning

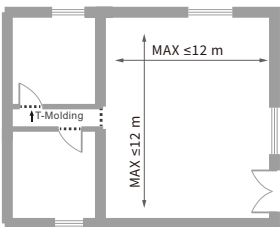
Most installations will need approximately a **10%** cutting allowance added to the square meter of the room.

Please make sure that the width of the last row of planks is not less than **1/2** of the plank width, otherwise cut the first row of planks appropriately to adjust.



### 02 Acclimation

Once your flooring arrives, you shouldn't install it right away. The planks are placed on the site for at least 24 hours before installation, to allow the planks to adapt to the site temperature.



### 03 Max Laying Area

SPC flooring has good stability, only when the pavement length/width exceeds 12 m, does it need to be interrupted by expansion gaps (8-10mm). Expansion gaps also need to be reserved at the door and other positions.

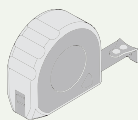
Installations of metal strips and other transition moldings should not push fully into the flooring and should allow for some slight movement wherever practical.



### 04 Other Details

It is preferable to lay planks following the direction of the main source of light. For the best result, make sure to always work from 2 to 3 cartons at a time, mixing the planks during the installation.

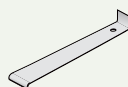
## Installation Tools



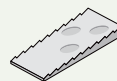
Tape measure



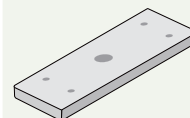
Pencil



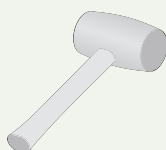
Pulling bar



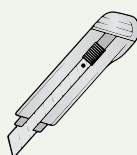
Spacers (8-10 mm)



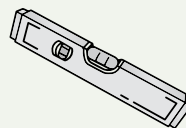
Tapping block



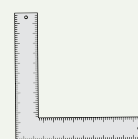
Rubber mallet



Utility knife



Level



Carpenter's square

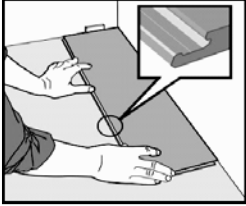


# Installation



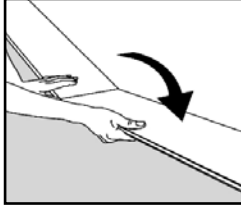
## Installation

①



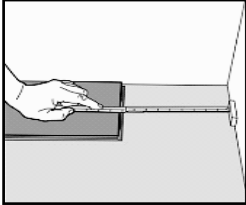
**1.** Install from the corner of the wall, place the tongue against the wall, and use spacers to keep the distance between the flooring and the wall at **8-10mm**. (The tongue of the first row of flooring needs to be cut off)

②



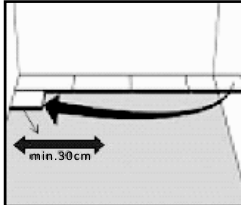
**2.** Second plank, first row. Drop the plank of the short side first, and then gently tap down the end with a rubber mallet, so it firmly locks into the previous plank until both are at the same height. Make sure both planks are perfectly aligned. Continue installing the first row until you reach the wall on the right.

③



**3.** At the end of the first row, leave an expansion gap of **8-10mm** to the wall and measure the length of the last plank to fit.

④



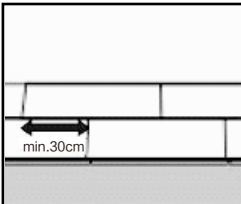
**4.** Start the second row with the leftover cut part of the last plank of the previous row. This small plank should measure at least 30cm (12"). Otherwise, cut a new plank in half and use it to begin the second row. Whenever practical, use the piece cut from the preceding row to start the next row.

⑤



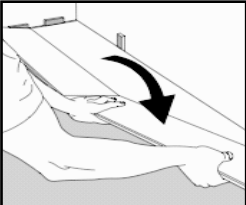
**5.** The second row of flooring and the ground maintain a 30° bevel and insert into the previous row. Fold it down and push it forward for a tight fit.

⑥



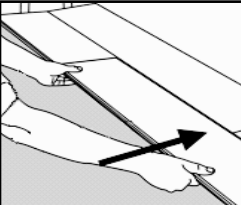
**6.** The end joints of all planks should be staggered a minimum of 30cm (12") apart.

⑦



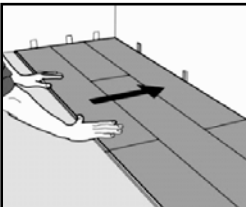
**7.** Click the short side and place it tight to the short end of the left plank.

⑧



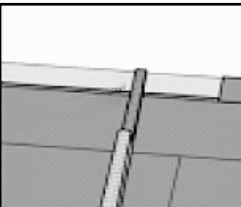
**8.** Then click the long side of the flooring. Push the flooring forward, making sure the two pieces are firmly connected.

⑨



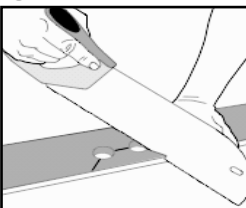
**9.** After the first 2-3 rows of planks are installed, they should be checked with a string line to ensure that rows are still running straight. If they are not, it could be that the starting wall has some irregularities that caused bowing in the installation.

⑩



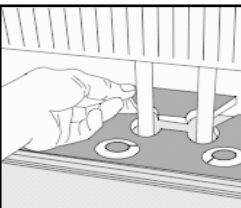
**10.** Please note that the last row of planks is at least 1/2 the width of the plank away from the wall.

⑪



**11.** The installation of the heat dissipating pipe is as above image, mark the center of the pipe hole on the plank, then drill holes on the floor with a diameter which is **16-20mm** larger than the diameter of the heat dissipation pipe (for expansion gap of **8-10mm** between plank and the pipe).

⑫



**12.** Use dicing saw to incise the floor. If necessary, apply the adhesive to bond at the cut section during the installation.

# Caring for Your Flooring



·Sweep or vacuum regularly, to remove loose dirt which can scratch your floor.

Note: We do not recommend vacuums that have a beater bar since it can visibly damage your flooring surface. Additionally, we do not recommend electric brooms with hard plastic bottoms with no padding as use may result in discoloration and deglossing.

·Wipe up spills as soon as possible. Never use highly abrasive scrubbing tools on any resilient floor.

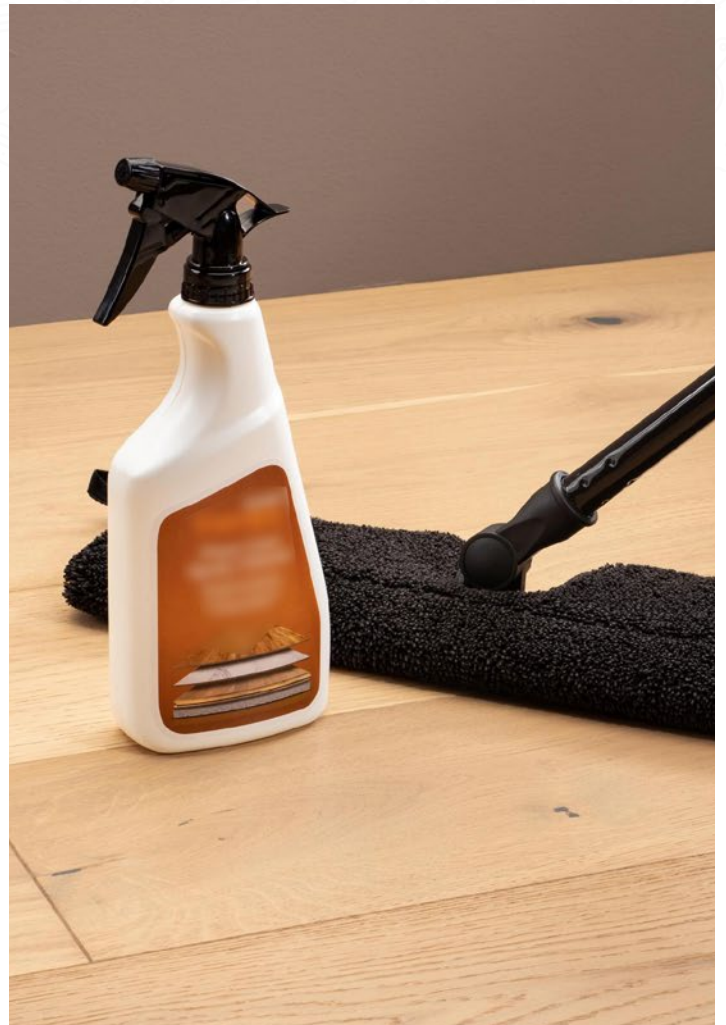
·Wash your floor regularly with a vinyl floor cleaner.

·Do NOT use detergents, abrasive cleaners, or “mop and shine” products. These products may leave a dull film on your floor.

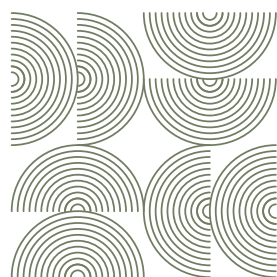


·Do NOT use paste wax or solvent based polishes.

·Vinyl flooring, like other types of smooth floors, can become slippery when wet. Allow time for floor to dry after washing. Immediately wipe up wet areas from spills, foreign substances, or wet feet.







**Elite**  
HOME DECOR