



Ecowood Collection

ABC/ SPC flooring

the future of luxury flooring







INNOVATION DESIGN TECHNOLOGY

At ABM, we seamlessly blend cutting-edge technology with the latest design trends to redefine modern flooring solutions. Our commitment to innovation is evident in our focus on emerging styles and dedication to sustainable practices. By utilizing advanced manufacturing techniques, we craft flooring that is not only stylish and trend-forward but also durable and environmentally responsible. This harmonious integration of technology and design ensures that each product exceeds the expectations of both aesthetics and functionality, perfectly suited for contemporary spaces. At ABM, we are shaping the future of flooring with every creation, transforming spaces into something truly exceptional.





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ABOUT THE PRODUCTION



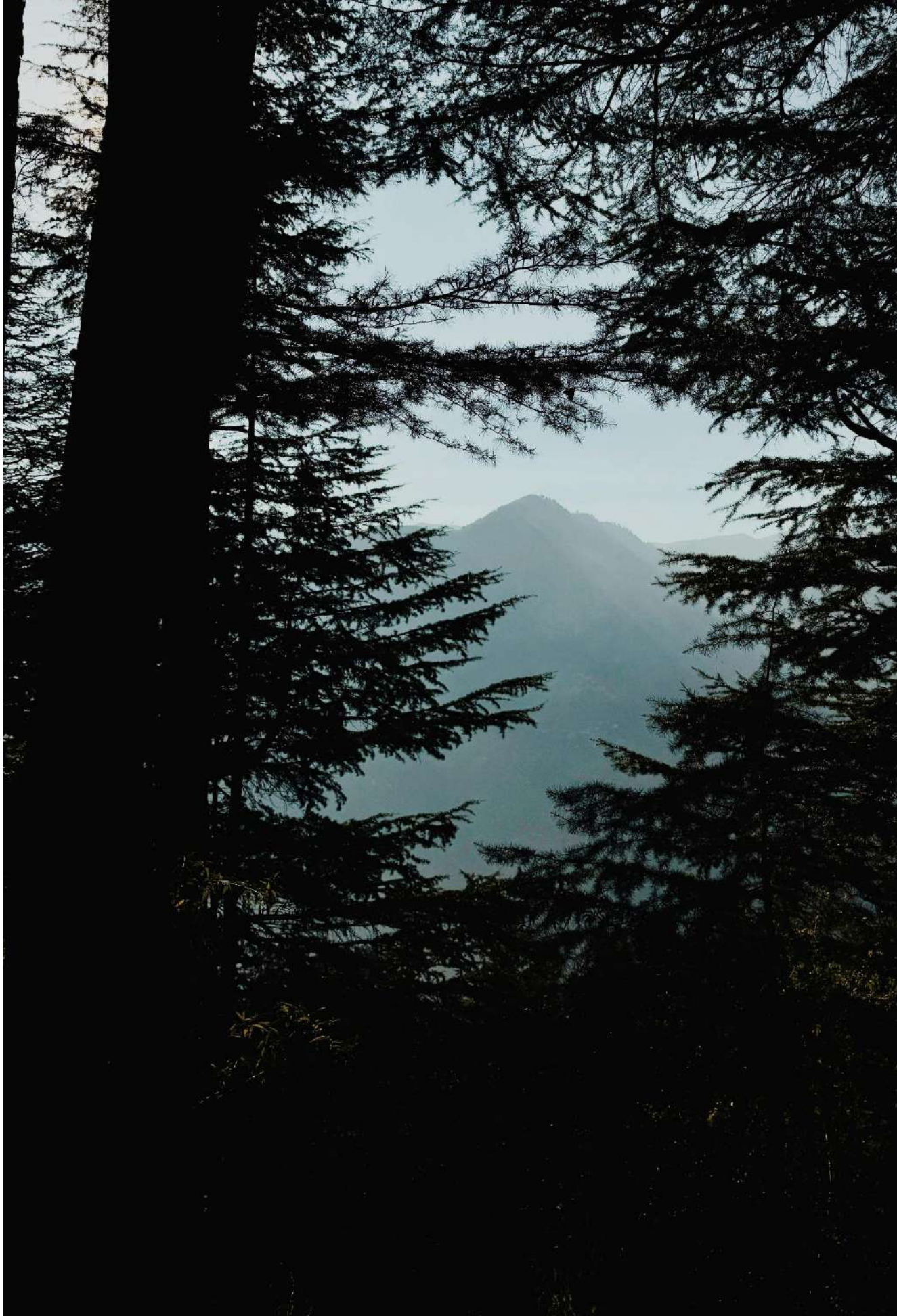
What's the raw materials of SPC Flooring?

There are 3 main materials for the SPC rigid core.

"S" is Stone, the main ingredient of limestones is CaCO_3 , heavy calcium powder, mesh size is 325mesh, around 44 microns.

"P" is the plastic, polyvinyl chloride (PVC) is a good insulation material to compound with CaCO_3 .

"C" means a combination of raw material formulated composition, there are around 3-7 kinds different processing aids mixed for the PVC & Limestone thermal synthesis.



How is SPC vinyl plank flooring constructed?

SPC vinyl flooring is rigid, durable, can withstand a lot of traffic even from the pets.

There are 5 layers different ingredients to provide such performance.

The 1st layer is UV coating layer

The diamond coating has the high scratch resistant and wear resistant performance.

The 2nd layer is Wear Layer

The common thickness is 0.5mm and 0.7mm, to avoiding the warping issue, the installed SPC have the residual stress will cause the flooring curved.

ABC/SPC Luxury Flooring has the upgrade formula to keep away the SPC flooring warping issue.

The 3rd layer is Decorative Film

It gave the printed image on the PVC film, which will be thermal laminated with the wear layer together with the SPC rigid core layer.

The 95% Decorative film production is using the oil-based ink, ABC/SPC Luxury Flooring is one of the few companies to promote the use of water-based ink supply chain management.

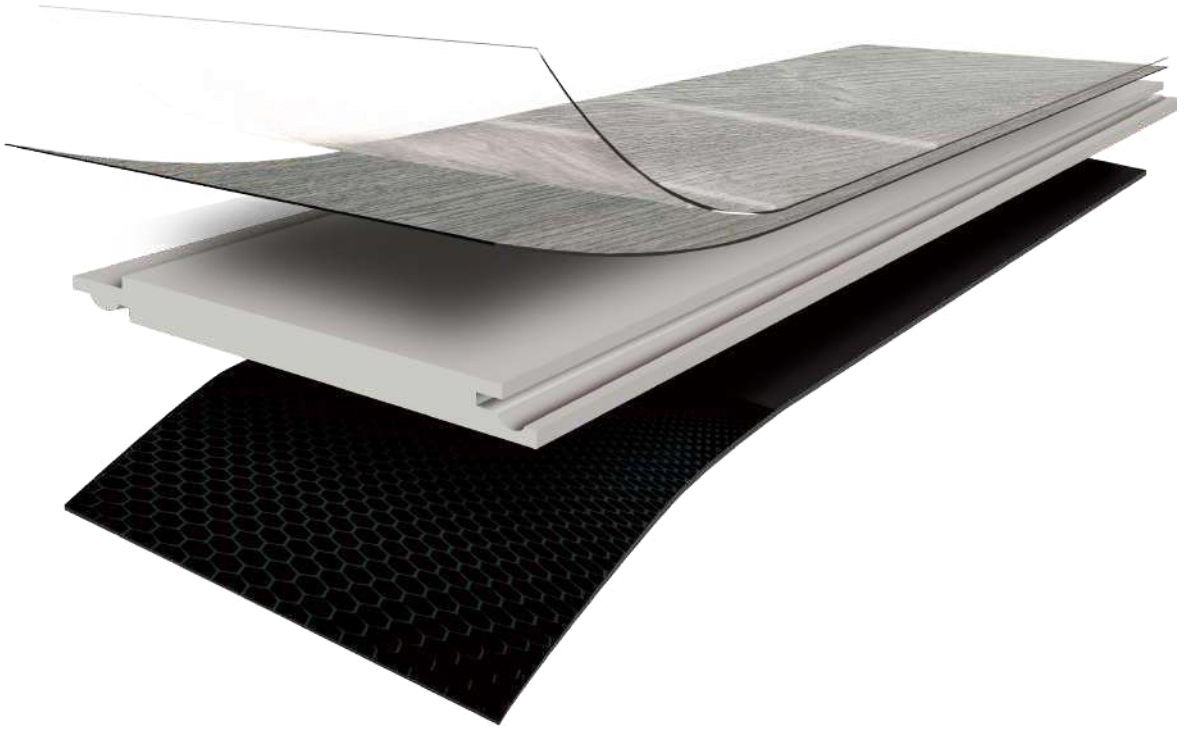
Water-based ink with water (45%~50%) as the solvent, VOC content is very low, small pollution to the environment. However, oil-based ink organic solvent (toluene, xylene, industrial alcohol, etc.) as a solvent. Oily ink solvent volatilization caused by air pollution, mainly liquid ink in the use of more organic solvents. Some organic solvents and some gases in the air chemical reaction, produce smelly chlorine and smoke. Serious air pollution, the growth of a variety of plants greater impact, destroy the ecological balance.

The 4th layer is SPC Rigid Core

The standard formulation is PVC, CaCO₃, Recycling materials with 5 or 6 additives: Calcium zinc stabilizer, PE WAX, Lubricant, ACR, CPE.,etc.

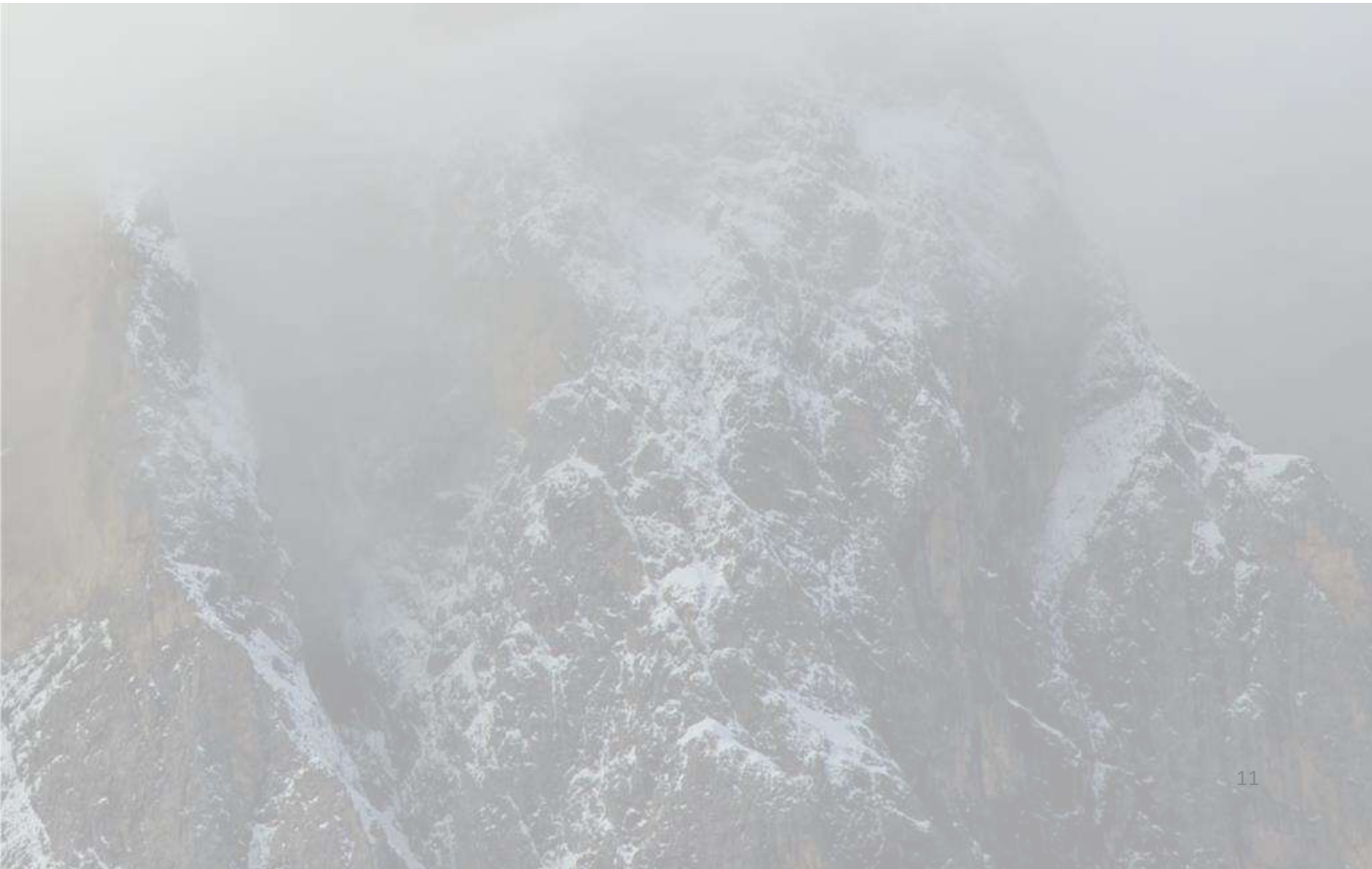
The 5th layer is the backing underlayment layer

The IXPE is the most consuming materials for underlayment, the 10 times foam rate IXPE with 1mm ~ 2mm will help the SPC flooring to provide better comfort and mute performance.



Where Elegance Meets Endurance

At **ABC/SPC** Luxury Flooring,
we redefine spaces with flooring solutions
that combine timeless beauty
with cutting-edge innovation.
Our floors are more than just surfaces –
they're the foundation of your
DURABILITY.



ANTI- SCRATCH

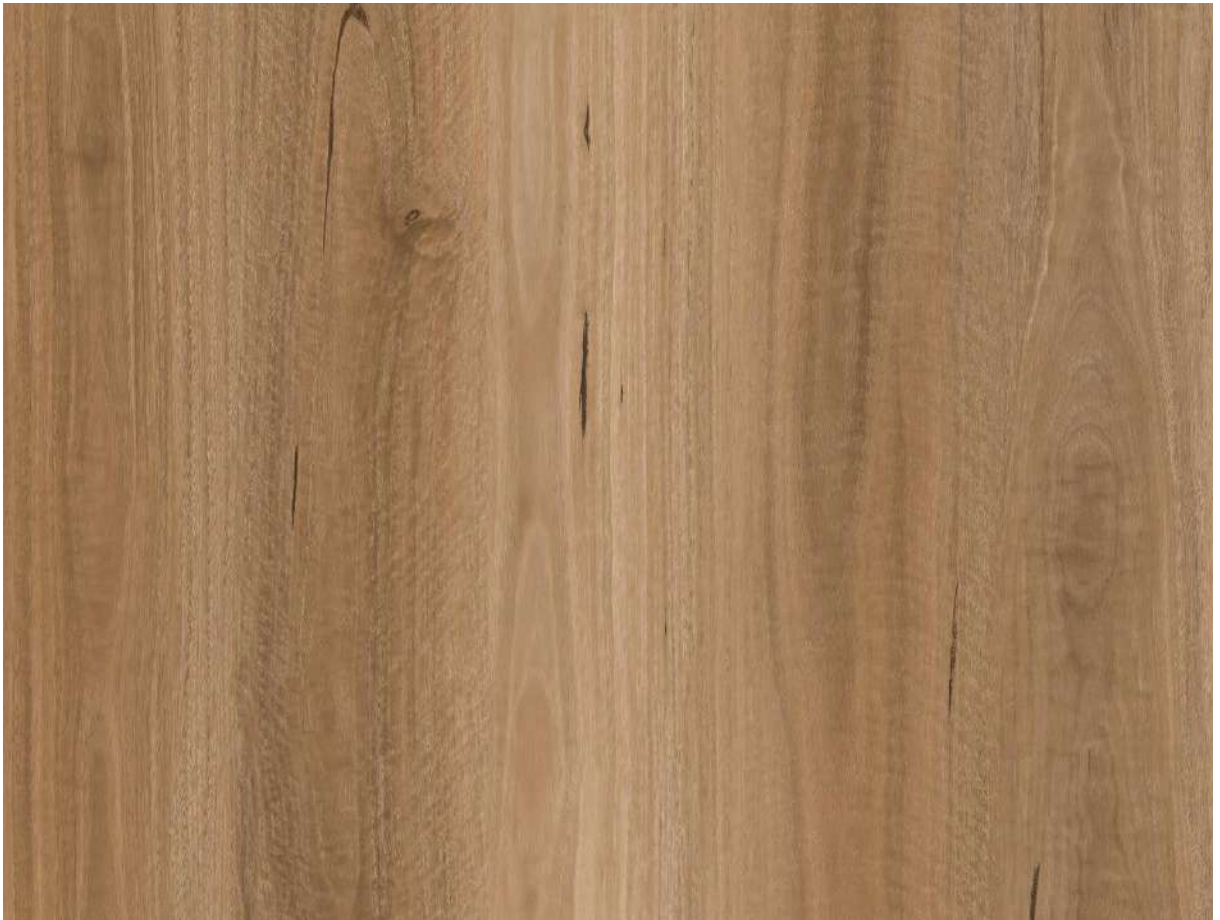
ABM/ SPC flooring is designed with an anti-scratch surface, making it a durable and practical choice for busy households and commercial spaces. The protective top layer resists scuffs, scratches, and daily wear, ensuring your floors maintain their flawless appearance over time. Ideal for high-traffic areas, SPC flooring combines style and resilience, providing peace of mind while preserving its beauty.



Durable and resilient



Real Wood Effect



**Rich, flowing veins
with a dynamic interplay of
light and dark tones**

ABM/ SPC flooring offers a stunning real wood effect, capturing the natural beauty and intricate grain patterns of authentic hardwood. With advanced printing and embossing techniques, it replicates the warmth, texture, and charm of real wood while delivering the unmatched durability and ease of maintenance that **ABM/ SPC** technology provides. Perfect for achieving a timeless, sophisticated look, the real wood effect of **ABM/ SPC** flooring brings elegance to any space without the concerns of scratches, moisture, or wear commonly associated with natural wood. It's the perfect balance of style and practicality.

ABM/ SPC flooring is 100% recyclable, making it an eco-friendly choice for modern living. Designed with sustainability in mind, it reduces environmental impact without compromising on quality or performance. Every component of SPC flooring can be repurposed, ensuring that it contributes to a circular economy rather than ending up in landfills. By choosing **ABM/ SPC** flooring, you're not just investing in durability and style—you're also making a conscious decision to protect the planet for future generations. Sustainable, smart, and stylish, **ABM/ SPC** flooring is the perfect blend of innovation and responsibility.





ABM/ SPC flooring is an excellent choice for underfloor heating, offering superior heat conductivity and even distribution. Its durable construction allows it to withstand temperature changes without warping or damage, ensuring long-lasting performance. The thin yet sturdy profile of **ABM/ SPC** flooring enhances the efficiency of underfloor heating systems, providing consistent warmth and comfort throughout your space. Easy to install and energy-efficient, SPC flooring is the perfect partner for modern heating solutions, creating a cozy and inviting environment in any room.



EASY TO DIY

ABM/ SPC flooring features an easy click-lock installation system, designed for hassle-free setup without the need for adhesives or specialized tools.

The interlocking planks effortlessly snap into place, making it a quick and efficient choice for both DIY enthusiasts and professional installers. This innovative system ensures a secure fit and seamless finish, saving time and effort while delivering stunning results.





EASY TO WATERPROOF

Because accidents do exist. Sophisticated UNILIN locking system and improved UV coating provide double protection for floors from penetration and contamination by spills.

The core of ABM/ SPC flooring is made from a dense blend of limestone powder, polyvinyl chloride, and stabilizers, which creates a completely impervious layer to water infiltration..



IMPACT RESISTANCE

The rigid core of **ABM/ SPC** flooring is made from a combination of natural limestone powder, PVC, and stabilizers. This makes the core dense and resilient, capable of withstanding heavy impacts without cracking or denting.

You do not have to worry when you walk on it in your new high heels or dropping your heavy suitcase on the floor after your trip.



**Rigid core
superior impact &
dent resistance**

COLLECTIONS
FORMATS

Our **ABM/ SPC** flooring is crafted with precision and quality to meet versatile flooring needs. It features a robust SPC core *thickness* of **5 to 7mm** for enhanced durability and stability. The *wear layer*, available in **0.3mm** or **0.5mm** options, ensures resistance to scratches and wear, perfect for high-traffic areas. Each plank measures **180x1220mm** and includes IXPE black padding in 1.00mm or 1.50mm for added comfort and sound insulation. Made from **100% virgin materials**, the flooring incorporates the reliable **Unilin Uniclic locking system** for seamless installation. With a **15-year** residential and **10-year** commercial *warranty*, **ABM/ SPC** flooring delivers lasting performance and elegance.

475

460

469

459

441

472

425

MARBLE

STONE



ECOWOOD SPC WHITE 475



ECOWOOD SPC LIGHT 469



ECOWOOD SPC GRIGIO 460





ECOWOOD SPC NOGAL 459



ECOWOOD SPC HONEY 472



**ECOWOOD SPC
MOCHA 441**



**ECOWOOD SPC
WENGE 425**







SPC ECOMARBLE



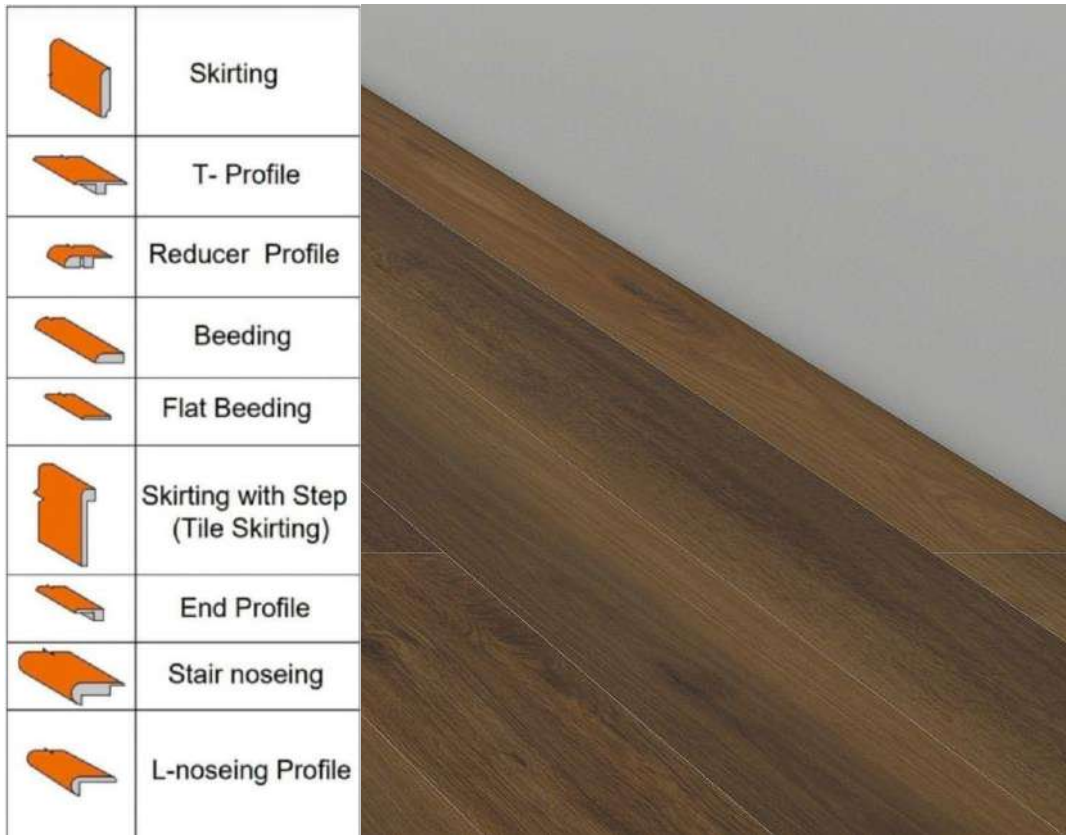


SPC ECOSTONE



FLOORING SYSTEM

Accessory Type	Thickness	Height	Length
Beeding	8 mm	20 mm	2438.4 mm
End Profile	8 mm	20 mm	2438.4 mm
L Profile	25 mm	25 mm	2438.4 mm
L Profile	30 mm	30 mm	2438.4 mm
L Profile	50 mm	50 mm	2438.4 mm
Reducer	8 mm	45 mm	2438.4 mm
Skritings	12 mm	100 mm	2438.4 mm
Skritings	12 mm	58 mm	2438.4 mm
Skritings	12 mm	75 mm	2438.4 mm
Skritings	8 mm	100 mm	2438.4 mm
Skritings	8 mm	58 mm	2438.4 mm
Skritings	8 mm	75 mm	2438.4 mm
T Profile	8 mm	45 mm	2438.4 mm



What is SPC flooring?

Stone Plastic Composite, SPC is designed to replicate the look and feel of traditional flooring materials such as stone, ceramic or wood, but provides many more practical benefits as you will see later in the article.

What is the SPC Flooring Structure

There are four main layers in the SPC flooring structure: Scratch Resistant Layer (Wear Layer) Decorative Layer (SPC Board Shades and Colors) SPC Core Layer (SPC Board)

Is SPC flooring truly waterproof?

Also referred to as "Stone Polymer Composite Flooring" or "Solid Polymer Core", SPC vinyl planks are dense, dimensionally stable, quiet and strong. Designed to be 100 percent waterproof, not even localized moisture or humidity can cause swelling or damage to the planks of SPC rigid core vinyl flooring.

Is SPC better than tile?

For projects where aesthetic variety and a timeless look are priorities, tile remains a preferred choice, especially in areas such as kitchens, bathrooms, and outdoor spaces. On the other hand, SPC flooring is ideal for high-traffic areas, moisture-prone environments, and spaces where quick and easy installation is required.

Is SPC better than laminate?

SPC flooring offers remarkable durability, able to withstand heavy foot traffic and resist impacts, making it ideal for busy households and commercial spaces. Laminate flooring, while also durable, tends to show wear and tear like scratches and fade faster compared to SPC.

TECHNICAL SPECIFICATION

Specification	Property	Test Method	Result
SPC core thickness: 5 to 7 mm Wear layer : 0.3/0.5 mm Plank size : 180x1220 mm Padding : IXPE Black 1.00 / 1.50 mm Material : 100% Virgin Click lock : Unilin Uniclic Warranty : 15 years residential and 10 years commercial	Dimensions	EN 427	1220*180mm
	Thickness Over All	EN 428	5.0 mm - 7.0 mm
	Thickness Wear Layer	EN 429	0.3 mm, 0.5 mm
	Pell Strength of Layers	EN 431	Pass
	Shear Forces of Layers	EN 432	Good
	Residual Indentations	EN 433	Mean Value \leq 0.1mm
	Dimension Stability	EN 434	Shrinkage \leq 0.12%/Curling \leq 1.2mm
	Resistance to Chemicals	EN 423	Class 0
	Castot Chair Continuous	EN 425	No Disturbance/No Delamination
	Light Fastness	ISO 105 B02	\geq 6
	ASTM E84-03	NFPA Class B1	
	Slip Resistance	DIN 51130	R9

PACKING DETAILS

Thickness	M2/Box	Pz/Box	KG/Box	Box/ Plt
5mm	2.20	10	21.96	60
6mm	1.76	8	21.08	60
7mm	1.54	7	21.52	60

**Real
Wood
Effect**



**ANTI-
SCRATCH**



Organization
&
High Tech RND

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