



Ecowood Collection

ABM solid**FLOOR**[®]

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. We are shaping the future of flooring with every creation, transforming spaces into something truly exceptional.





| | |
|-------------------------------|-----|
| ABOUT THE PRODUCTION | P06 |
| TECHNOLOGY | P10 |
| COLLECTIONS | P19 |
| ECOWOOD WHITE 475 | P20 |
| ECOWOOD LIGHT 469 | P21 |
| ECOWOOD GRIGIO 460 | P22 |
| ECOWOOD NOGAL 459 | P23 |
| ECOWOOD HONEY 472 | P24 |
| ECOWOOD MOCHA 441 | P25 |
| ECOWOOD WENGE 425 | P26 |
| ECOMARBLE | P28 |
| ECOSTONE | P30 |
| COMPREHENSIVE FLOORING SYSTEM | P32 |
| FAQs | P33 |
| TECHNICAL SPECIFICATION | P34 |
| PACKING INFORMATION | P34 |



CONTENT



ABOUT THE PRODUCTION



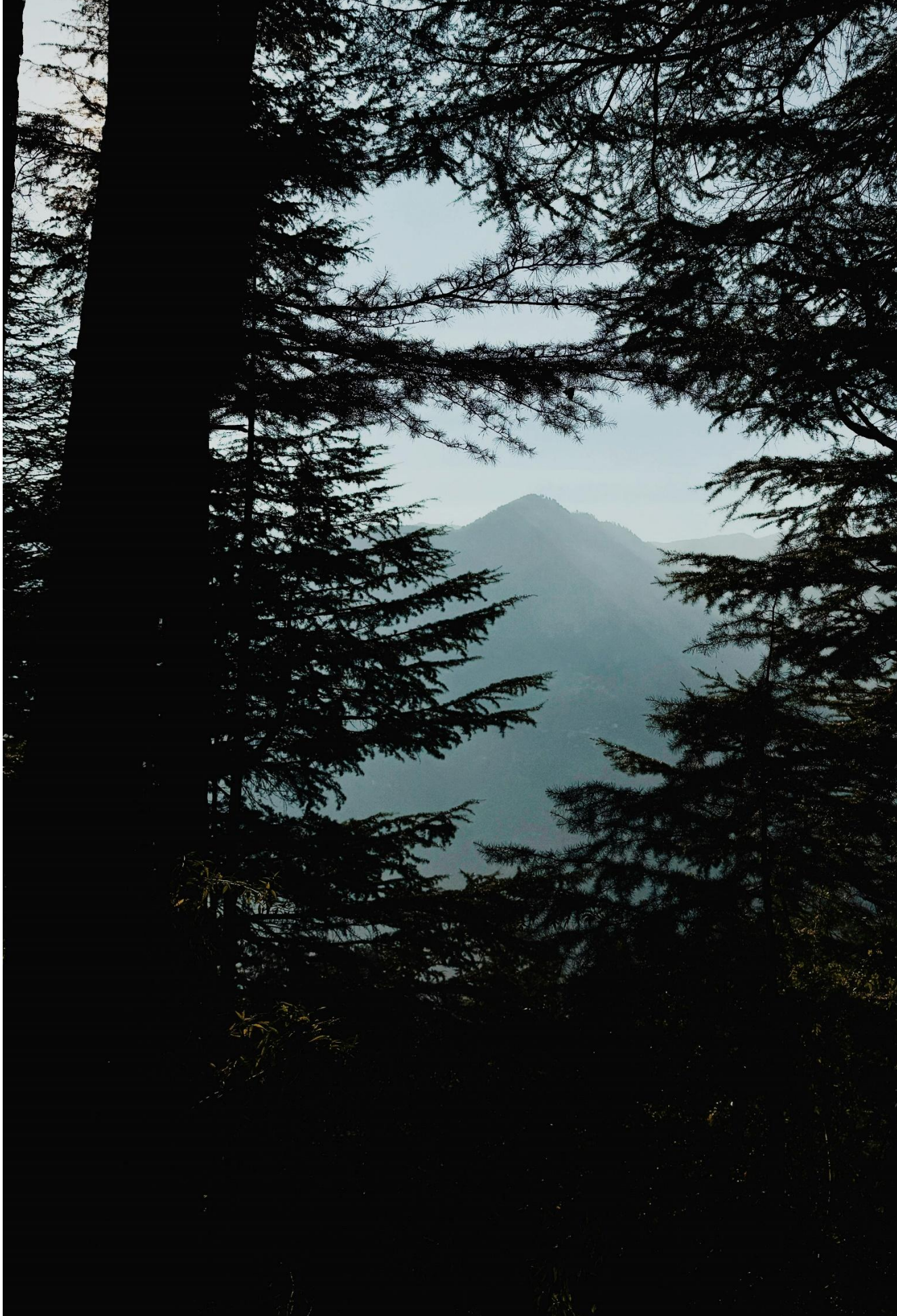
What's the raw materials of ABM solid**FLOOR**®?

There are 3 main materials for the ABM solid**FLOOR**® rigid core.

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

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

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





How is vinyl plank flooring constructed?

ABM **solidFLOOR®** is rigid, durable, can withstand a lot of traffic even from the pets.

It consists of five distinct layers, each contributing to its exceptional 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

Available in thicknesses of 0.5mm and 0.7mm, it protects against daily wear and prevents warping issues.

ABM **solidFLOOR®** features an upgraded formula to maintain stability and durability.

The 3rd layer is Decorative Film

A printed image layer that is thermally laminated to the wear layer and core structure.

The 95% Decorative film production is using the oil-based ink, ABM **solidFLOOR®** is one of the few companies to promote the use of water-based ink supply chain management.

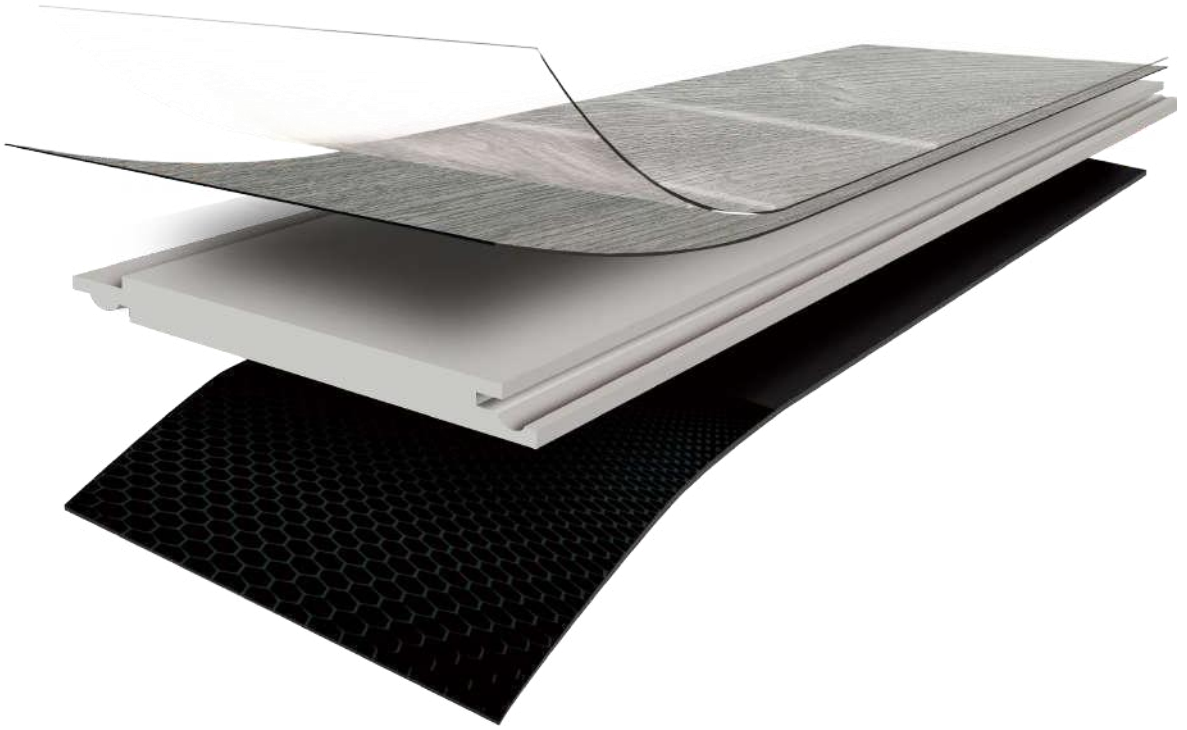
Water-based ink with water (45%~50%) as the solvent, VOC content is very low, small pollution to the environment. However, oil-based ink organic solvent (toluene, xylene, industrial alcohol, etc.) as a solvent. Oily ink solvent volatilization caused by air pollution, mainly liquid ink in the use of more 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 Rigid Core

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

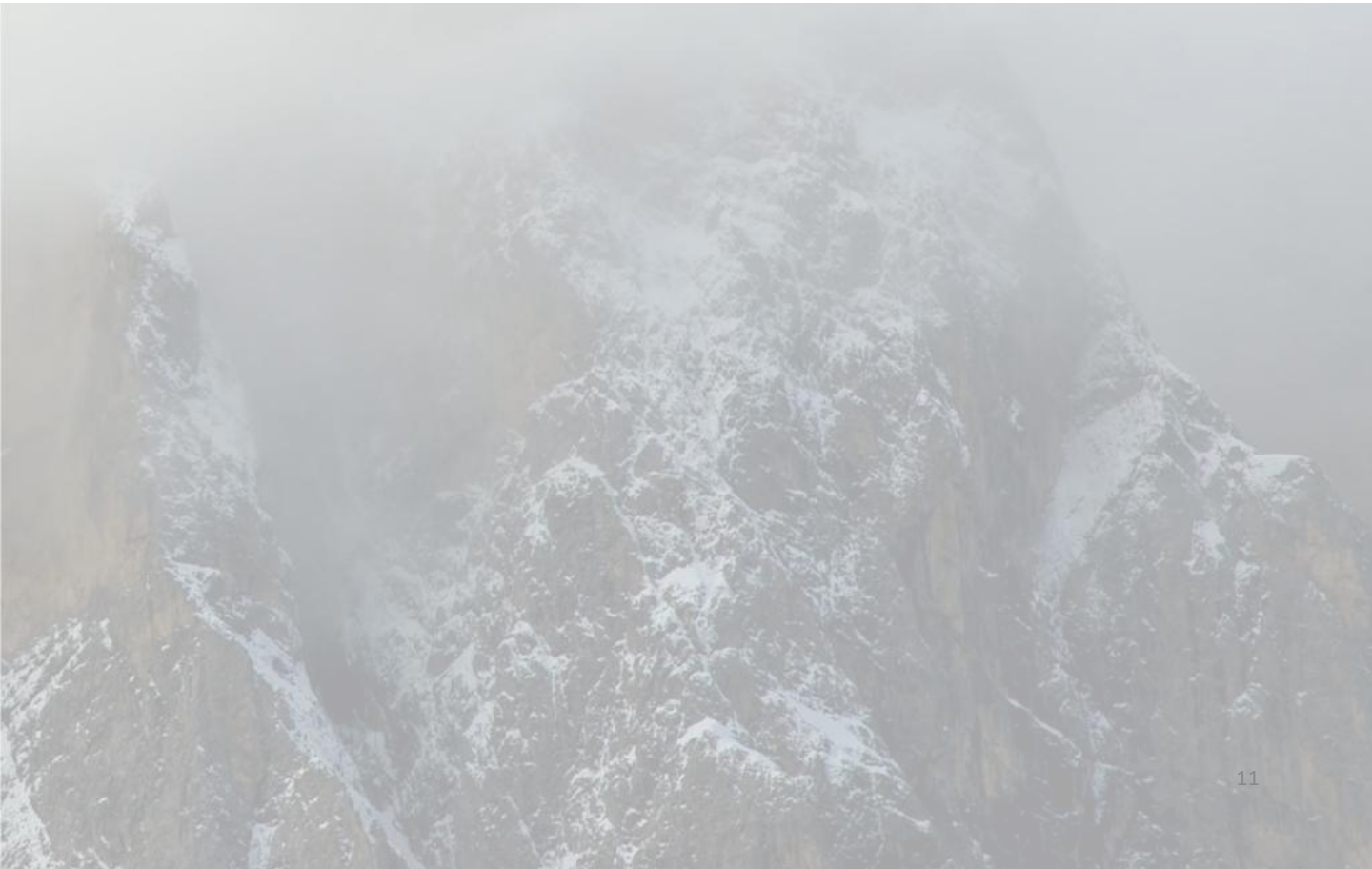
The 5th layer is the backing underlayment layer

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



Where Elegance Meets Endurance

At ABM solid**FLOOR**[®],
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 solid**FLOOR**® 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, this 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 solid**FLOOR**® 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 our technology provides. Perfect for achieving a timeless, sophisticated look, the real wood effect of ABM solid**FLOOR**® 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 solid**FLOOR**® 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 this flooring can be repurposed, ensuring that it contributes to a circular economy rather than ending up in landfills. By choosing ABM solid**FLOOR**®, 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 solid**FLOOR**® flooring is the perfect blend of innovation and responsibility.





ABM **solidFLOOR**[®] 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 solidFLOOR**[®] enhances the efficiency of underfloor heating systems, providing consistent warmth and comfort throughout your space. Easy to install and energy-efficient, this flooring is the perfect partner for modern heating solutions, creating a cozy and inviting environment in any room.



CLICK
FLOORING

EASY TO DIY

ABM **solidFLOOR®** 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 solidFLOOR®** 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 solidFLOOR®** 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 solid**FLOOR**® is crafted with precision and quality to meet versatile flooring needs. It features a robust 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 solid**FLOOR**® delivers lasting performance and elegance.

WHITE



GRIGIO



LIGHT



NOGAL



MOCHA



HONEY



WENGE



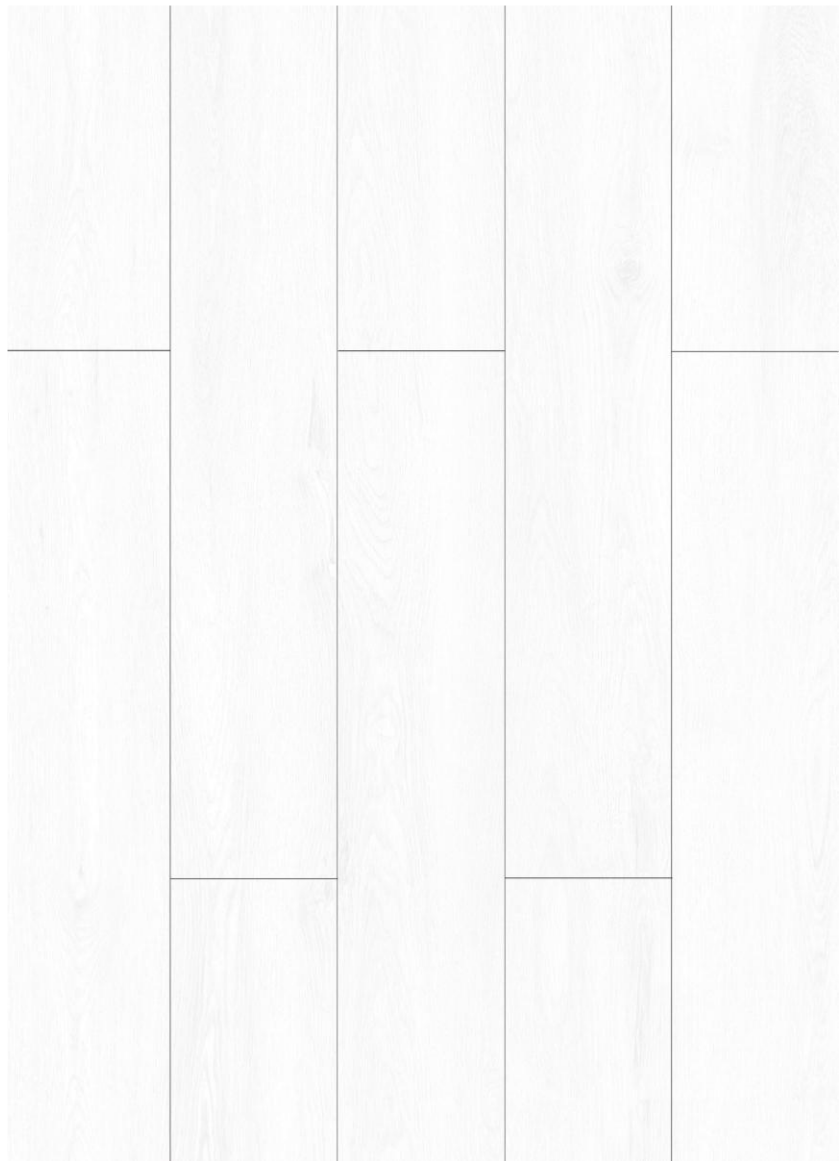
MARBLE



STONE



ECOWOOD WHITE 475



ECOWOOD LIGHT 469



ECOWOOD GRIGIO 460



ECOWOOD NOGAL 459



ECOWOOD HONEY 472



ECOWOOD MOCHA 441



**ECOWOOD
WENGE 425**







ECOMARBLE



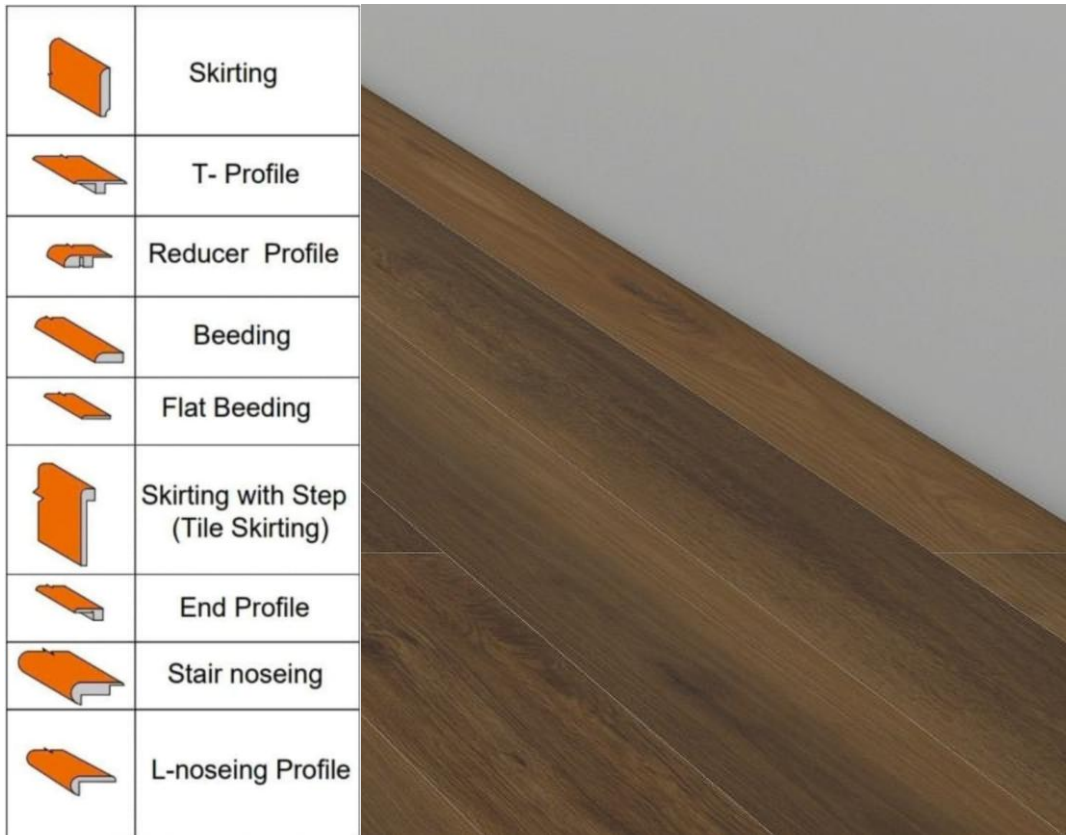


ECOSTONE



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 |



FAQs

What is ABM solidFLOOR®?

It 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 ABM solidFLOOR® Structure

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

Is ABM solidFLOOR® truly waterproof?

These 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 rigid core vinyl flooring.

Is ABM solidFLOOR® 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, ABM solidFLOOR® is ideal for high-traffic areas, moisture-prone environments, and spaces where quick and easy installation is required.

Is ABM solidFLOOR® better than laminate?

ABM solidFLOOR® 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.

TECHNICAL SPECIFICATION

| Specification | Property | Test Method | Result |
|--|-------------------------|---------------|---|
| 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**

Exhibitor Display for Merchandising

Showcase the beauty and quality of **ABM solidFLOOR®** with our premium exhibitor displays. Designed for retailers and showrooms, our merchandising solutions highlight the rich textures, natural finishes, and durability of our flooring. Customers can feel the superior craftsmanship firsthand.

solidFLOOR®
a brand of ABM



Organization
&
High Tech RND

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