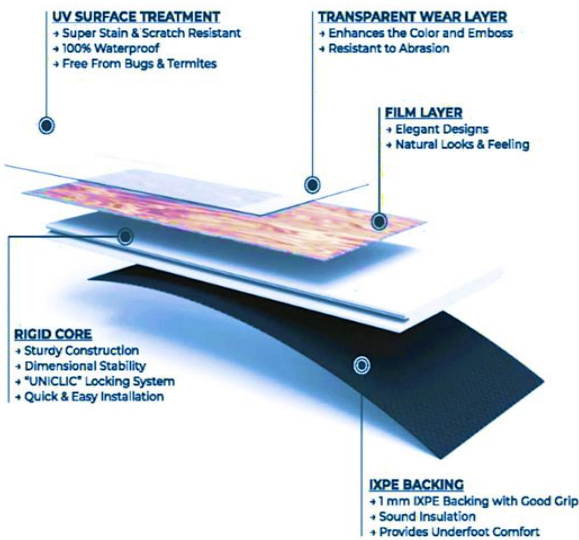


META SURFACES

LVT FLOORING

WHY SPC FLOOR?



Overall Thickness Varies from (in mm) :
3.5 | 4.0 | 5.0 | 6.0 | 6.5

CERTIFICATION



Why?
SPC
PRODUCTS

SPC flooring, which stands for Stone Plastic Composite, is the latest innovative material in the flooring world. It is a premium type of replacement to traditional LVT.

- Latest Innovative material
- More stable than traditional LVT.
- Incredible durability due to Rigid Core / higher density makes it more challenging.
- Does not expand and contract with environmental changes.
- Glue free installation, so Hassle-free.
- Suitable for both Commercial and Residential use.
- Free from dangerous chemicals.
- Easy to replace / re-install the damaged plank/tile.
- Limitless design innovation is possible, so there are endless options of patterns, colours, & grains to get the authentic look and shade you want.

INSTALLATION INSTRUCTIONS

HIGHLIGHTS OF APOLLO SPC FLOORING

A unique multilayer fusion that offers the warmth of wood and resilience of stone. All the looks and features of laminate and hardwood floors but none of their limitations. New age flooring for an instant makeover without the dust, noise and effort.



Ultimate Durability

Our Unique manufacturing method gives our APOLLO planks an unmatched level of durability for all settings.



Termite Resistant

APOLLO planks top advantage is that it is 100% termite proof.



Low Installation Cost

As no glue or special floor preparation is needed.



Environmental Friendly

Avoiding using real wood protects the earth's natural resources, and it can be recycled.



Soundproofing

The multi-layered composition of materials provides some natural soundproofing.



Waterproof

The APOLLO planks simply won't react with the water – so it's the ideal floor for all those indoor water fights!



Quick, Easy Installation

Can be installed over existing floors and your new floor will be ready instantly.



Looks Excellent

There are endless options of patterns, colours and grains to get the precise look and shade you want.



Safe, Better Air Quality

It is free from dangerous chemicals typically found in flooring such as formaldehydes, glues, benzene, and phthalates.



Warranty

SPC generally comes with excellent manufacturer warranties, where the contract length typically increases with the thickness of the wear layer and the core of the planks.



INSTALLATION INSTRUCTIONS



SET SPACERS

Create the required expansion space between planks and perimeter walls using 3/8" spacers on short and long ends of plank. For rooms wider than 50', 1/2" expansion space is expansion spacers until installation is complete.



INSTALL 1ST PLANK

Position the first plank against the 3/8" wall spacer along the starting wall beginning at the corner of the room. Tongue side of plank should be facing the starting wall.



LOCK END JOINTS

Install the next plank of the first row, locking short end of plank to the first by inserting tongue into groove at an angle and drop in place. Continue installing each plank until end of first row is complete. Cut last plank of first row as needed to fit.



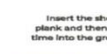
ESTABLISH STAGGERING

For random length installations, there must be at least an 8" stagger from row to row throughout the entire installation. For a brick laid pattern for fixed length floors, planks should be offset by 1/2 their length and laid accordingly.



1ST PLANK, 2ND ROW

For random length installation, cut the first plank for the second row to 1/2 its length and insert the long tongue edge of the plank into the long edge groove of the first row plank. Make sure there are no gaps between planks. Use pull bar as needed to close tightly.



2ND PLANK, 2ND ROW

Insert the short tongue of a new plank into the short groove of the previously cut plank and then insert the long tongue edge of the two attached pieces at the same time into the groove of the first row. Use the pull bar as needed to ensure a tight fit.



CONTINUE 2ND ROW

Lock long edge of plank by inserting tongue into groove at an angle and drop in place. Slide plank toward end of previously installed plank until the tongue just touches the groove. Use tapping block gently on short & long edge to ensure a tight fit.



LOCKING PLANK INTO PLACE

Tap ends of plank with rubber mallet and tapping block gently to lock ends of planks together. Be sure to tap on short and groove sides of panels to avoid damaging the locking profile. Use pull bar on long edge of plank to ensure tight fit.



INSTALL REMAINING ROWS

Insert the short tongue of a new plank into the short groove of the previously cut plank. Place the short, cut edge against a spacer and insert the long, tongue edge of the two attached pieces at the same time and continue process until completion.



FINISH THE JOB

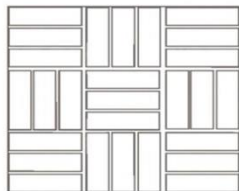
Remove spacers. Cover expansion space with baseboard, quarter round or other trim as desired. Use flexible caulking to fill expansion gap around bath tub or showers. Make sure not to pin down the floor underneath moulding.

LVT FLOOR PATTERN DESIGNS

Use Form's well-balanced size options to create impact quickly with simple, timeless pattern options. Plank tiles, which are typically used on the floor, can be laid in a variety of patterns, helping to create a unique flooring design.

This is largely due to new manufacturing techniques and installation patterns that allow square tiles to make a design statement wherever they are used, both on walls and floors. The following are some of the most popular square tile patterns, as well as some of their variations.

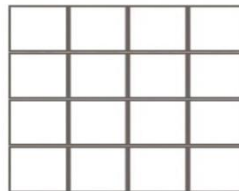
BASKET WEAVE PATTERN



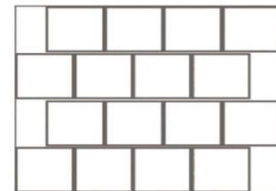
STRIPWOOD PATTERN



GRID PATTERN



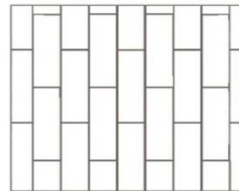
STAGGERED BOND PATTERN



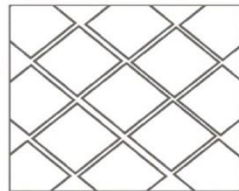
HERRINGBONE PATTERN



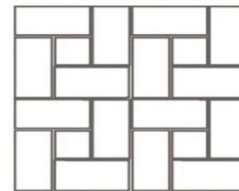
STEPLADDER PATTERN



DIAMOND PATTERN



WINDMILL PATTERN



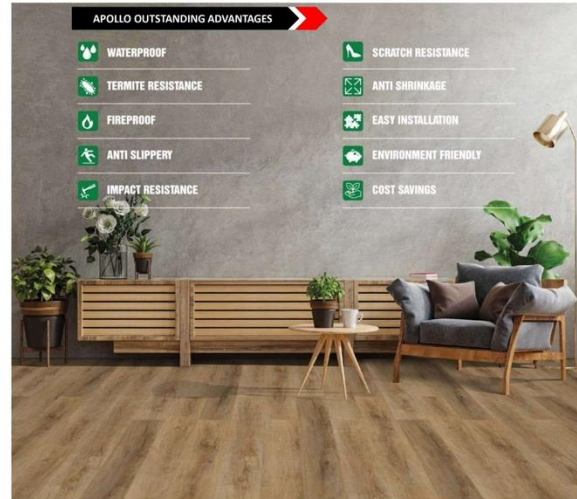
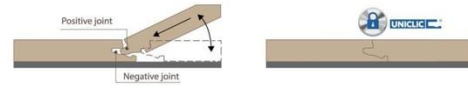
ADVANTAGES OF OUR LVT FLOOR

- SPC stands for "Stone Plastic Composite", which is a type of Composite material combined Plastic powder, Stone powder (CaCO₃) and anti-expansion additives. This is the latest technology in the finished flooring.
- SPC APOLLO with lock system is an environment-friendly product with formaldehyde-free, 100% waterproof, fireproof, anti-scratch, no warping and shrinkage, slippery resistance. SPC flooring is a new generation building material with a preminent 5-layer structure.
- Unlike hardwood floors, SPC flooring is waterproof so it is the ideal choice for installation in moisture-heavy areas like the bathroom, laundry room, and kitchen....



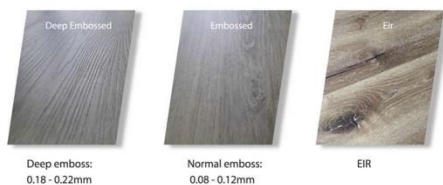
- ① **UV coating:** Protect the surface from UV ray's direct impacts effectively, increase clarity of veins, anti-scratch, anti-discoloration.
- ② **PU Wear layer with thickness 0.2 - 0.7 mm (Scratch resistant layer):** This transparent layer adds scratch, stain and slippery resistance to the panel. This is one of the most outstanding differences compared to other building materials.
- ③ **Decor film layer (thickness 0.03-0.07 mm):** Color printing layer with high imitation of real wood, stone, marble,... for modern and natural looks.
- ④ **Core layer (thickness 3-8 mm):** This is the most important part of SPC. This layer is composed of natural stone powder (CaCO₃) and virgin plastic powder to create a dimensionally stable, impact resistant and waterproof core with more than 20 year durability.
- ⑤ **Underlayment IXPE / EVA (1 - 2mm) - US standard:** Help the floor be balanced and firm, prevent warping and shrinkage. Moreover, it also enhances sound insulation, mold resistance and protect the floor against other harmful agents.

- One of the most popular lock system designs in the world is Uniclic. Invented by the famous Unilin Group from Belgium, this style is widely used in many high-end industrial flooring brands.
- There will be "negative" - "positive" joints on the 4 long and short sides of each flooring panel. The positive joints of one panel will fit snugly with the negative joints of other to make a firm connection structure for the floor. By this modern locking system, the flooring installation is more quicker and easier.
- SPC APOLLO flooring using Uniclic click lock system is only assembled with each other, so it prevent loss from exchanging fraudulently during installation.



DIMENSION	WEAR LAYER THICKNESS	UNDERLAYMENT
1220 x 178 mm (48" x 7") 1220 x 183 mm (48" x 7.2") 1524 x 228.6 mm (60" x 9") 650 x 228.6 mm (25.6" x 9") 600 x 300 mm (24" x 12")	From 0.2 mm to 0.7mm	• IXPE 1.0mm, 1.5mm, 2.0mm (10/15 times) • EVA 1.0mm, 1.5mm (Normal/ high density)

EMBOSS:



SPC THICKNESS (Core layer + WL)

Classification	Economy	Standard	Premium
Thickness	3.2mm	3.5 - 4.5mm	5.0 - 7.0mm

BEVEL:





CARE & MAINTENANCE

- SPC flooring of lower grade may swell or discolour when in contact with moisture in the long term. Moisture that traps under the SPC floor will encourage mould growth and cause odour.
- Heavy furniture, pet paws, sand or sharp objects will leave scratches and abrasions on the SPC flooring surface.
- SPC flooring is produced from polyvinyl chloride (PVC) that causes the release of a volatile organic compound into the air, mainly when it is newly installed.
- If the sub floor's condition is poorly prepared, any particles trapped underneath will cause lumps and bumps on the SPC surface. This will cause serious flooring issues over time and can even lead to the rip and tear of SPC parts.
- Although SPC flooring can resist most stains, you should prevent strong chemicals from coming into direct contact with the SPC floor surface. Although the yellowing of SPC flooring can be due to many factors, chemical emits from rubber is a primary culprit. You could overcome this problem by replacing any rubber material with non-staining rubber material.
- Since SPC flooring is made of plastic material, it will release odour and toxic chemicals into the air when burned. Therefore, it is not recommended to be used in high heat or fire hazard areas like a commercial kitchen.

"CREATING BEAUTIFUL SPACES"