



A

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STONE PLASTIC COMPOSITE



AURORA SPC

Aurora Finishings FZ-LLC “Aurora” is a trading company established in the Ras Al Khaimah emirate of the United Arab Emirates.

Aurora is active in the trade of various materials and finished goods in the GCC, Middle East and Europe.

Aurora offers a wide variety of products and is the sole agents to different finishing products such as Ceramic and Porcelain Tiles, SPC tiles, Sanitary Ware, showroom furniture and merchandizing material.

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What is SPC?

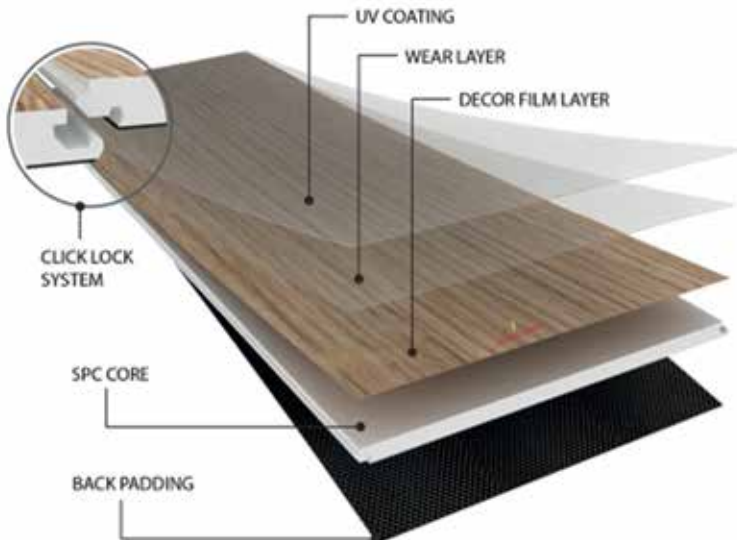
SPC stands for Stone Plastic Composite or Stone Polymer Composite. The SPC core is what makes this flooring so incredibly durable, maintaining its form even over uneven subfloors.





SPC | Its structure makes it resistant to water, fire, abrasion, and furniture markings

SPC FLOORING STRUCTURE



- Different back paddings can be used such as Cork, IXPE, EVA and no padding.
- The wear layer can be customized for different applications from residential to heavy traffic areas
- The core comes in different thicknesses from 3.2, 3.5, 4.0, 4.2, 4.5, 5.0, and 6 mm

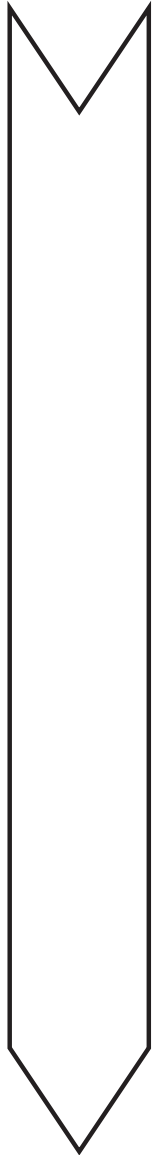
SPC FEATURES

01. Do-It-Yourself: Floating system with best locking systems and installation does not require adhesive therefore reducing installation costs, do-it- yourself can be quickly stitched, with high structural stability, can be repeatedly disassembled and reassembled
02. Health and Environmental Protection: E0, Formaldehyde-free
03. Wear-resistance: 0.2mm - 0.7mm wear layer.
Suitable for residential and heavy traffic areas
04. Waterproof: Bathroom, toilet, kitchen are all possible
05. Fireproof : CaCO_3 +PVC Fireproof and flame retardant
06. Suitable for floor heating: Fiber glass layer, Stable structure, suitable for floor heating, no thermal expansions and shrinkage

ADVANTAGES

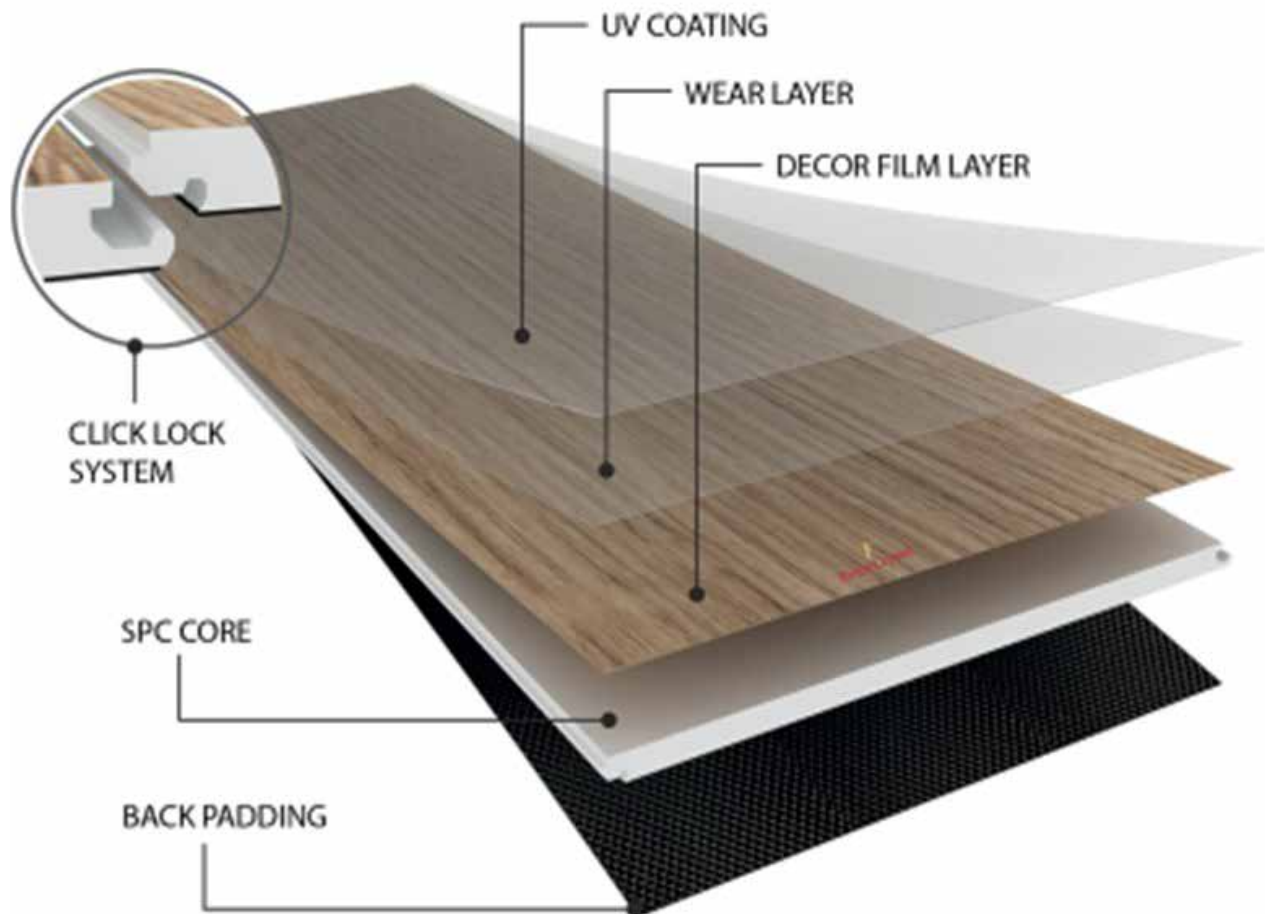
Feature	SPC	Vinyl flooring	Natural wood Engineered wood
Anti-scratch	✓		
Waterproof	✓	✓	
Anti-termite	✓	✓	
Anti-slip	✓		
Fireproof	✓	✓	
Low elasticity and bending	✓		
Environment Friendly	✓		✓
Health Safety	✓	✓	✓
Easy to Install	✓	✓	✓
Low Maintenance Cost	✓	✓	

HOW TO CHOOSE YOUR PRODUCT?



- | | | |
|-----------|--------------------------|--|
| Step
1 | CHOOSE
THE DESIGN | A wide variety of designs is available with various colors |
| Step
2 | CHOOSE
THE SIZE | Various sizes are available starting from 150x1220 mm to 228 x 1800 mm in addition to 305 x 610 mm and other |
| Step
3 | CHOOSE
THE THICKNESS | Different thicknesses are available from 3.2 mm to 6.0 mm |
| Step
4 | CHOOSE
THE CLICK | Different Clicking Systems are available : i4F, Valinge and Unilin |
| Step
5 | CHOOSE
THE PADDING | Different paddings are available, Cork, IXPE, and Eva in 1.0 or 1.5 mm |
| Step
6 | CHOOSE
THE WEAR LAYER | Depending on the usage location wear layer from 0.2 to 0.7 mm are available |
| Step
7 | CHOOSE
THE SURFACE | Different surfaces are available, DP embossing, RP embossing, light embossing, SK embossing, and EIR |

SPC FLOORING STRUCTURE





SURFACE EMBOSSING



SK Embossing



DP Embossing



RP Embossing



EIR



Light Embossing

Available Click Systems



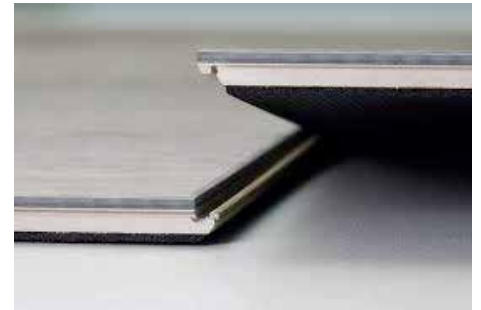
Long/Short side
2G Angling System



Short side
5G-i Push Down System



PATENTS & TECHNOLOGIES



Additional Options

PADDING



EVA (Ethylene-Vinyl Acetate) Underlayment is designed for using under floated laminate, bamboo and engineered wood floors and is ideal for many types of sub-flooring.

IXPE is a premium acoustical underlayment made up of sound dampening high-performance cross-linked foam with an overlapping film for extra moisture protection at its joints.



Cork underlayment is a natural product commonly used as an insulator. its ability to absorb ambient temperatures maintains the confort of our floors and feet while also reducing utility expenses.

WEAR LAYER	RATING	USAGE AREA
0.1 mm	AC 1	Designated for residential use with moderate traffic. Best suited as bedroom flooring where there isn't that much foot traffic.
0.2 mm	AC 2	Designated for homes with general traffic and works best in areas such as the living or dining room.
0.3 mm	AC 3	Fit for residential use with heavy traffic and commercial settings with moderate traffic. Hotel rooms and small offices are suitable applications.
0.5 mm	AC4	Designated for homes with high traffic and commercial settings with general traffic areas. These floors suit boutiques, busier offices, restaurants, and cafes.
0.7 mm	AC 5	This grade is best applied in commercial, heavy traffic settings suitable to be used in places such as public buildings and department stores.
> 0.7 mm	AC 6	Very heavy intensive traffic areas such as supermarkets, airport terminals and public-facing government buildings

A photograph of a forest scene. In the foreground, several large, dark tree trunks are visible, some with thick, gnarled roots. The background is filled with a dense canopy of green leaves, with sunlight filtering through in dappled patterns. The overall atmosphere is serene and natural.

WOODEN FANTASIES

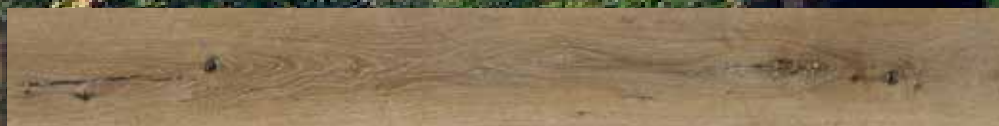
Standard Sizes Offered



150 x 1220 mm



182 x 1220 mm



182 x 1524 mm



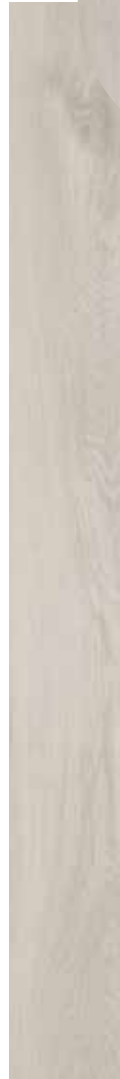
228 x 1524 mm



228 x 1830 mm



Ash Hickory





Sandy Birch





Cloud Oak





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Royal Cedar





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Grey Pine





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Pecan Hickory





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Peanut Hickory





Silver Pine





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Sepia Oak





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Grizzly Walnut





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Beige Poplar





Grey Mahogany





Creamy Walnut





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Brown Cedar





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Hazel Wood Hickory





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Majestic Oak





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Dark Elm Oak





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Rustic Oak





Stone Pine





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Beach Oak



A photograph of a modern restaurant interior. The space features long wooden tables and chairs, some with light-colored seats. A bar area with a wooden counter and shelves of bottles is visible in the background. The ceiling is white with exposed black beams, and several large, white, bowl-shaped pendant lights hang from it. Green plants are suspended from the ceiling in white pots. The overall aesthetic is clean and contemporary.

STONE & CEMENT ILLUSIONS

Standard Sizes Offered



305 x 610 mm



305 x 914 mm



457 x 914 mm



URBAN

Graphite



Slate



Silver





AURORA SPC

CONCRETE



Graphite



Grey



Silver



Sand





PERLATO



Graphite



Beige



Greige



Silver





AURORA SPC

TRAVERTINO

Beige



Silver

















Greige



Immaculate Finish



SPC Molding

Item Name	Photo	Size in mm	Thickness Match	Description
T Molding		2400 * 46 * 7	4 - 6 mm	Transition between two floors of similar thickness
Reducer		2400 * 42 * 8	4 - 6 mm	Transition between two different floors that have different thicknesses
End Cap		2400 * 35 * 8	4 - 6 mm	Used at the end of the floor area
Quarter Round		2400 * 28 * 15	All	Used for right angles between walls and floors
Stair Nose 1		2400 * 55 * 18	4 - 6 mm	Used at end of steps for stairs covering
Stair Nose 2		2400 * 72 * 25	4 mm and above	Used at end of steps for stairs covering
Stair Board		2400 * 115 * 36	6 mm and above	Used at end of steps for stairs covering
Stair Board R		2400 * 115 * 24	4 mm and above	Used at end of steps for stairs covering
Concave Line		2400 * 28 * 15	All	Used at the junction of walls and floors
Skirting 60		2400 * 60 * 12	All	Used to cover the gap between the floor and the wall (fixed with glue)
Skirting 80 G		2400 * 80 * 12	All	Used to cover the gap between the floor and the wall (fixed with glue)
Skirting 80G S		2400 * 80 * 15	All	Used to cover the gap between the floor and the wall (fixed with screws)
Skirting 90		2400 * 80 * 15	All	Used to cover the gap between the floor and the wall (fixed with screws)
Skirting 100		2400 * 100 * 15	All	Used to cover the gap between the floor and the wall (fixed with screws)

Standards & Specifications

Subject	Parameter Value	Reference Standard	Subject	Parameter Value	Reference Standard
Squareness	≤0.15 mm	ISO24342	Flatness of tiles—Cuping fw, Convex	≤%0.15	EN 16511
Straightness	≤0.15 mm	ISO24342	Flatness of tiles—Cuping fw, Concave	≤%0.10	EN 16511
Overall Thickness	± 0.20 mm	ISO24346	Flatness of tiles—Cuping fi, Convex	≤%0.5	EN 16511
Wear Layer Thickness	± 0.03 mm	ISO24340	Flatness of tiles—Cuping fi, Concave	≤%0.25	EN 16511
Surface Treatment	UV Coating				
Dimensional Stability (6hrs at 80°C)	<0.10 %	ISO23999	Resistance to Staining	Rating 5 no change	BS EN 438 - 2 (Group 1 only 10 min)
Curling (6hrs at 80°C)	≤1.2 mm	ISO23999	Air Comfort	PASS	
Density	1.6±0.05 g/cm ³	ISO23997	Floor Score	PASS	
Residual Indentation	≤0.10 mm	ISO24343-1	French VOC label	A+	
Residual Indentation	≤%8	ASTM-1914	Acoustic	ΔLw≥19db	ISO 10140 ISO 717-2
Ply Adhesion (film + Back pad)	≥60N/50mm	ISO10582	Color Fastness	≥6 Δ ≤8	ISO 105-B02
Locking Strength of click joint	>120N/50mm	EN 16511	TVOC	≤0.5mg/m ³	CDPH/ EHLB Standard
Vertical buckle strength	>120N/40mm	In House			
Effect of caster Chair	25000	ISO 4918	Slip Resistance	Wet 35 R10 DS	BS 7976 Din 51130 EN 13893
Gaps between tiles	≤0.10 mm	EN 16511	Toxicity	Not Toxic	EN 71-3
Height difference between tiles	≤0.10 mm	EN 16511	Formaldehyde E1		EN 717-1
Abrasion Resistance	>1200 Cycles	EN 13329 / E	Only Virgin Material used?	YES	
Abrasion Resistance	Group T	EN 660-2			
Scratch Resistance	≥9N	Scleromer			
Micro-scratch resistance	≤MSR-A2 / B1	EN 16094			
Thermal expansion	<0.15% (10-45°C)	In House			
Reaction to Fire	Bf-s1	EN 13501-1			
Electric Resistance	Body Volt- age≤2.0KV	EN 1815			
Electric Antistatic resistance	Antistatic	EN 1815			
Staining and resistance to chemicals	Class 0	ISO26987			

Certificates



CE





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