LOW ENVIRONMENTAL IMPACT

Holistically Sustainable Manufacturing & Use of Raw Material

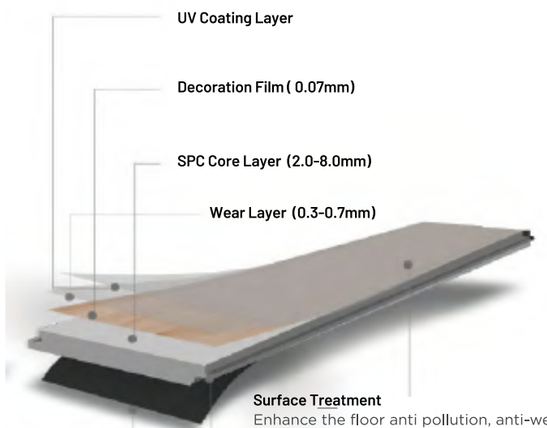
Your Environmentally Responsible Decision

The total amount of greenhousegas emissions, primarily carbondioxide (CO2), that are generatedby an individual, organization,event, product, or service duringa specific period of time.
These solar panels can generate 46,000 kiloWatt-hour electricity on a daily basis, which is equivalent to 43 tons of CO2 emissionsper day by coal.
The solar power plan allows further decrease in Sentai's carbon footprint along with its development by reducing non-renewable recources and replacing them with clean and sustainable solar power.
When marching towards the vast global market, Sentai has always taken the eco-friendly and sustainable development as the missionand devoted to leaving as less carbon footprint as possible so that a greener, healthier planet and global community can be built andcreated.
If you are passionate about what we are doing, please join us to see how You can help to make a difference.

Solar Power Green Engergy

ez Life
SPC FLOOR EXPERT

PRODUCT COMPOSITION



TAKE HOME THE BENEFITS

- LOW-MAINTENANCE
- NATURAL LOOK
- 25 YEAR WARRANTY
- MINIMAL CARE
- ANTI-CIGARETTE
- STAIN RESISTANCE
- SCRATCH RESISTANCE
- SLIP RESISTANCE
- MOISTURE RESISTANCE
- FIRE RESISTANCE

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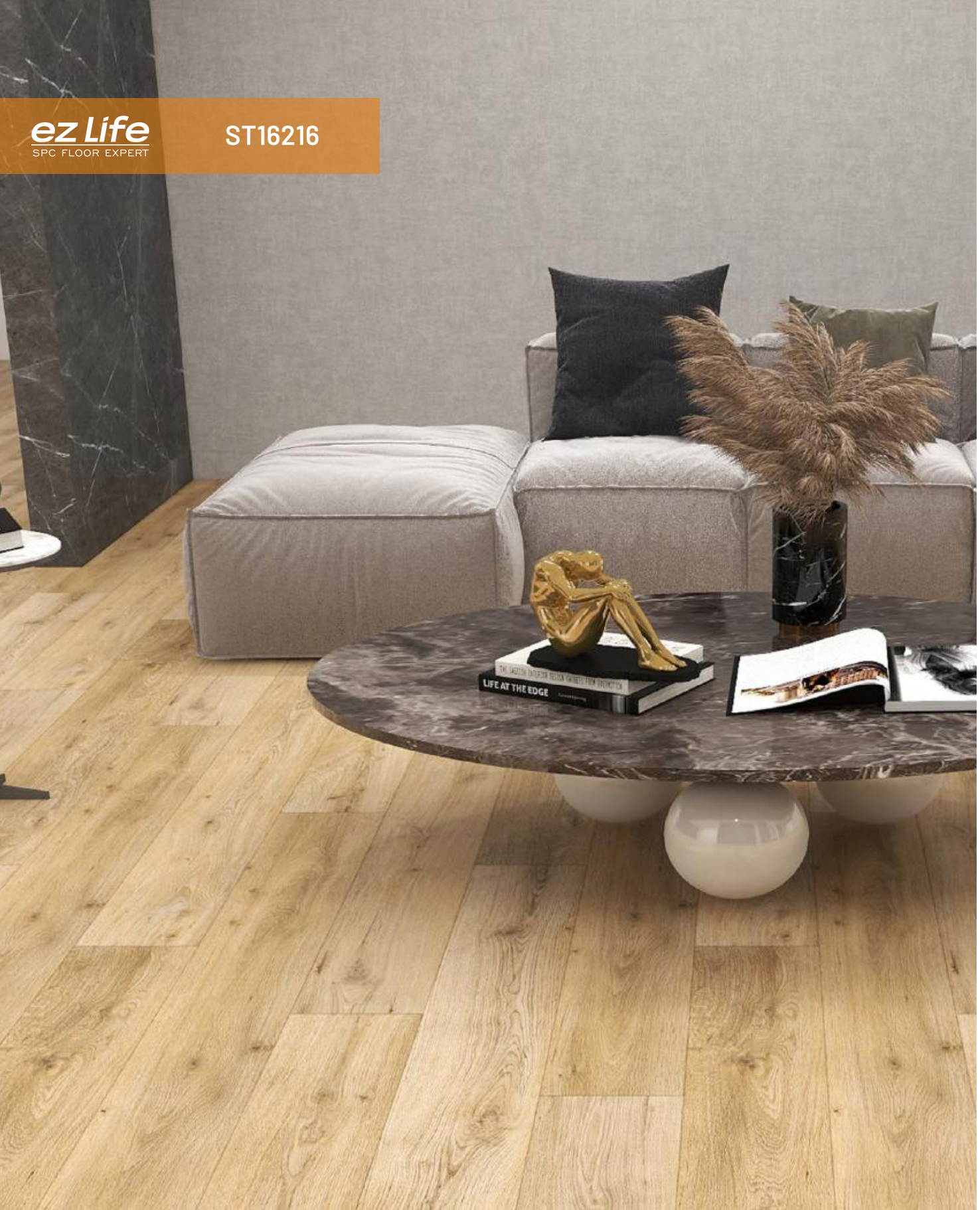
SPC FLOOR EXPERT

ST16216



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SPC FLOOR EXPERT

ST1720E

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ST12303E

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SPC FLOOR EXPERT

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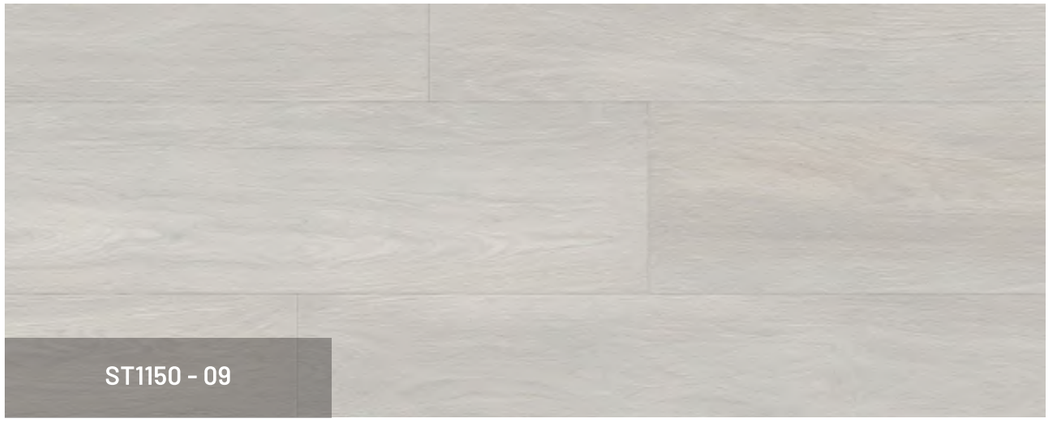

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ST1932-3

ST16191-41

ST16191-36

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ST190L-04

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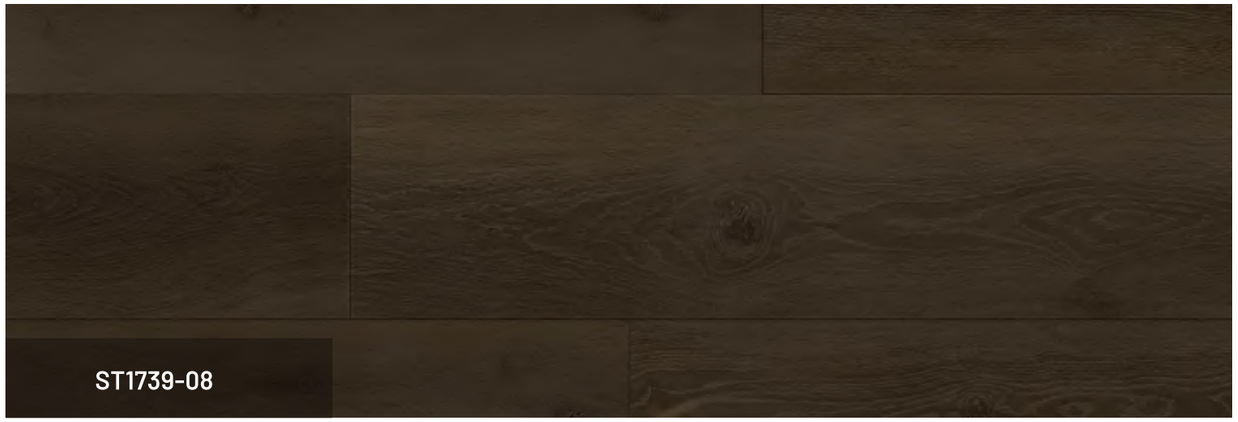

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SPC FLOOR EXPERT

ST12123

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SPC FLOOR EXPERT

ST12106


ST12106-03


ST12106-07


ST12106-13


ST12106-39

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SPC FLOOR EXPERT

ST1211223E

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ST13632

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SPC FLOOR EXPERT

ST1085

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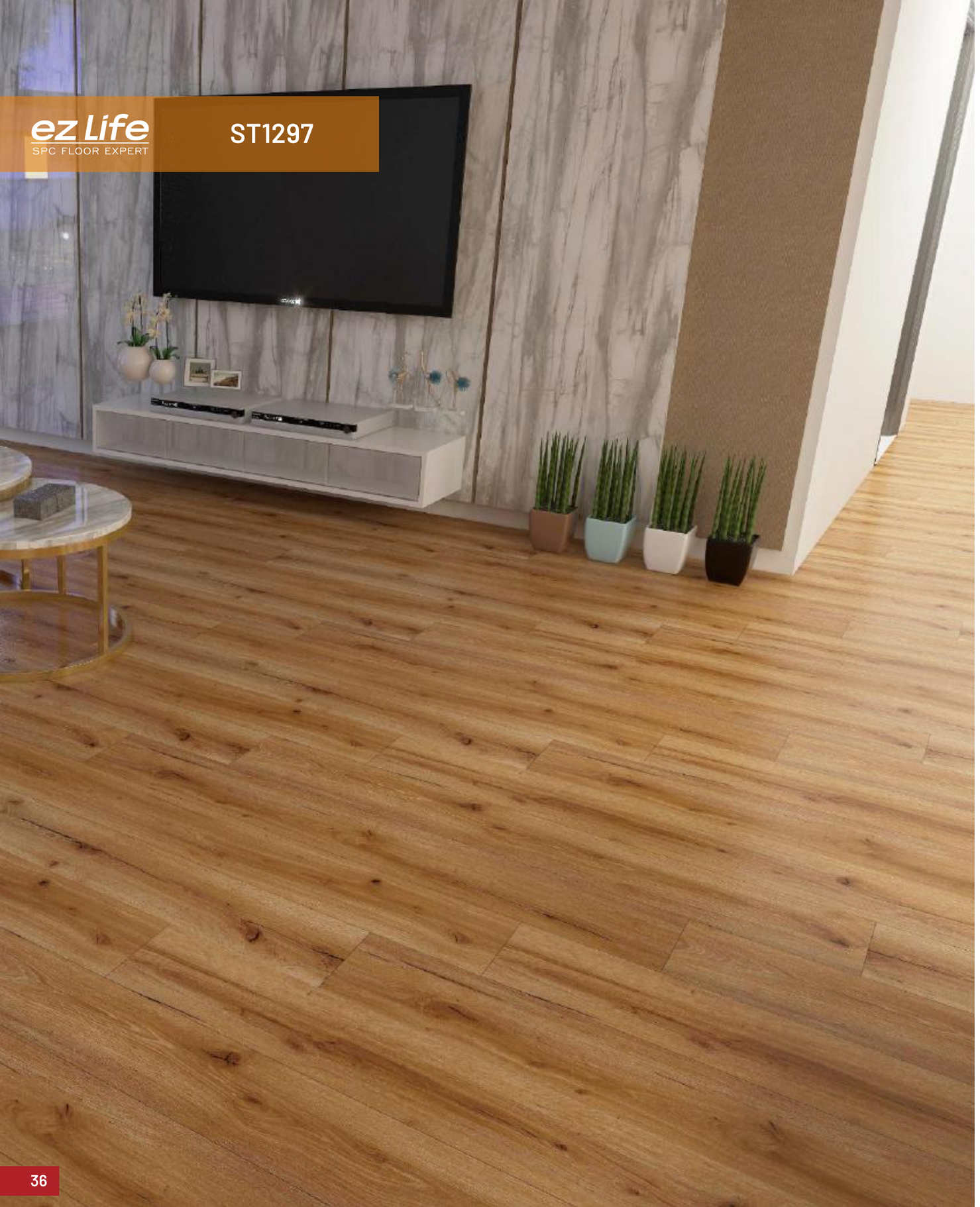
SPC FLOOR EXPERT

ST1297



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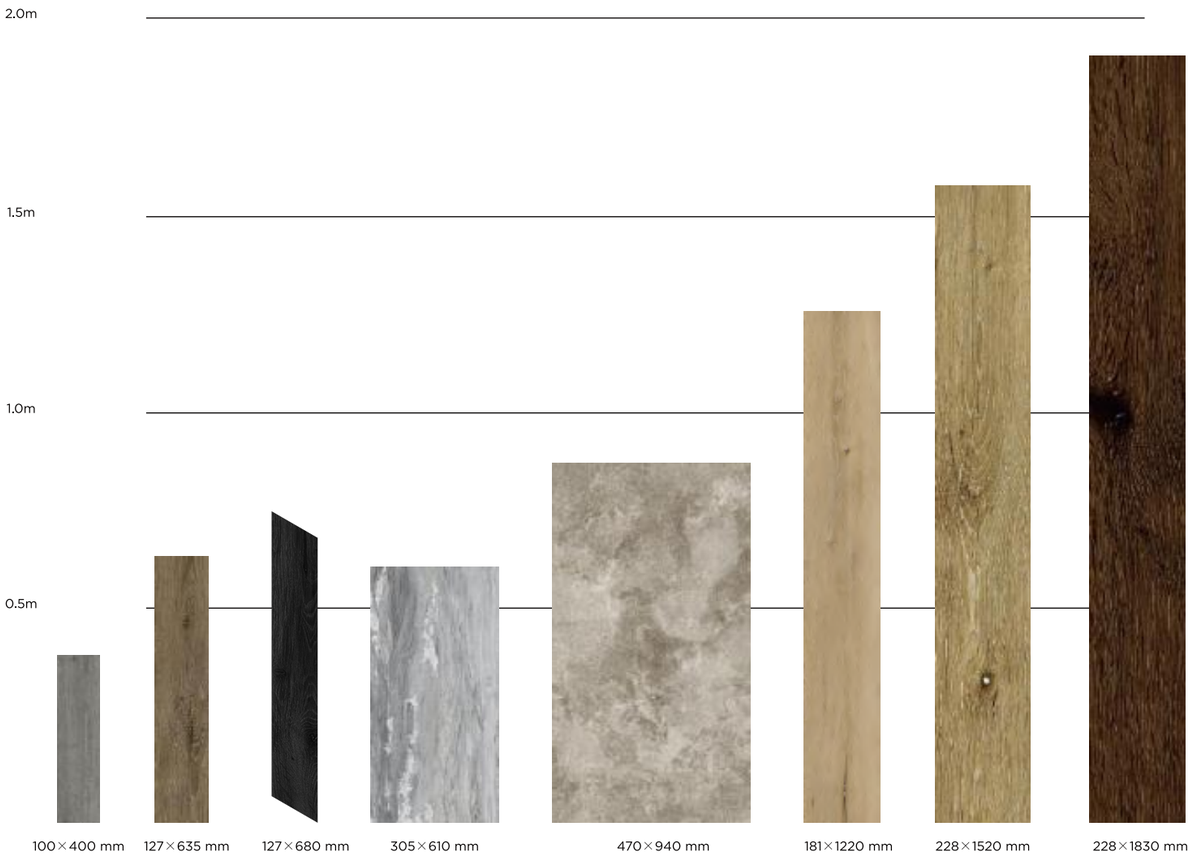
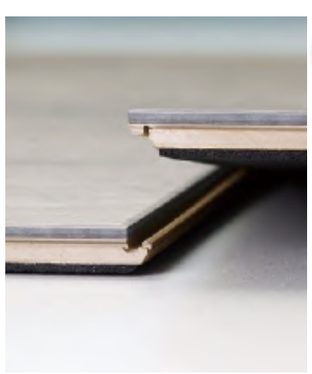
SPC FLOOR EXPERT

FORMAT OVERVIEW





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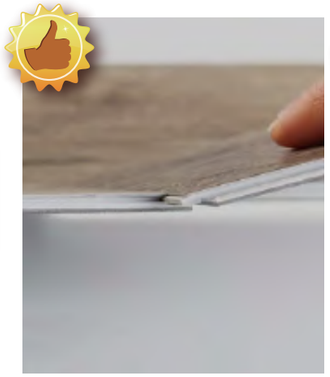

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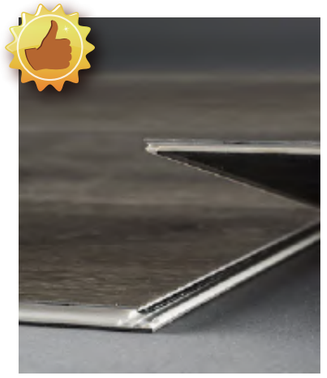

5G

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SPC Installation and Maintenance Instructions

Sentai SPC flooring is based on a very unique formulation which combines the advantage of virgin PVC and mineral composites; Before Installation, please pay attention to below important points. Improper installation will void warranty.

1.Carefully examine the flooring prior to installation for grade, color, finish and quality. Ensure adequate lighting for proper inspection. If flooring is not acceptable, contact your supplier immediately and arrange for replacement. No claims on surface defects will be accepted after installation.

2.Ensure the subfloor dry,structurally sound. The subfloor clean(thoroughly swept and free of all debris), the level should flat to 0.5cm per 30sqm . A 6-mil poly-film moisture barrier is required over concrete or other subfloor situations when moisture is above 5% or not using IXPE underlayment.
CAUTION: Do not install SPC on soft underfloors like carpet or foam mats.
If need underlay such as IXPE we recommend 1.0mm in 10times or 7.5times.

3. Store the flooring in the installation area for at least 12 hours before installation in unopened package to allow flooring to adjust to room temperature. These floors need adequate acclimation for moisture equalization prior to installation and should not be installed from just-opened boxes. After installation, make sure to keep the room within a temperature range of 15°C to 27°C. Excessively high or low temperatures may cause this product to expand or contract and lead to visual defects of the floor that will not be warranted. For the best result, make sure to always work from 2 to 3 cartons at a time, mixing the planks during the installation.

4.Flooring should be one of the last items installed in any new construction or remodel project. All work involving water or moisture should be completed before flooring installation. Water and wood do not mix. Installing flooring onto a wet subfloor will most likely cause cupping, tip & edge raising, telegraphing of core and subsequent gapping.

5. Installation in areas with sustained direct sunlight:in cases where the fooring is in direct sunlicht for much of the day (Sunrooms. Etc.) it is recommended that the planks be glued down in those areas. The planks are stil cicked together as per the foating installation instrucions, but an approved premium fooring adhesive should be used inareas as needed. Be sure to folow the adhesive manufacturer's instrucions. When employing the direct glue down installation method, DO NOT include a 6-mil poly vapor barrier in the assembly. Flooring material must be adhered directly to the subfloor.

Installation Tools

Tape measure, Tapping block, Hammer, Pencil, Pry bar or pull bar, Chalk line, Wood or plastic spacers(6-10mm), Crosscut power saw or knife, 3M Blue Tape。

Acceptable Subfloor Types

CDX Underlayment grade plywood (at least 1/2” thick) ;Underlayment grade particleboard ;OSB(at least 3/4” thick) ; Concrete Slab ;Existing wood floor ;Ceramic tile ;Resilient tile; Sheet vinyl

Pre-installation Subfloor Requirements

AlthoughSentai SPC floor is water proof, it is not a moisture barrier.
It is still good to make sure concrete is cured and subfloor is dry.
All subfloor must be dry and structurally sound,
Clean: Thoroughly swept and free of all debris
Level: Flat to 0.5cm per 30 sqm.
Do not install floors where it will be exposed to temperatures greater than 60℃

Read before Installation

1 . Expansion Gap
Because houses and buildings, as well as adjacent hardwood or laminate floors, expand and contract, Sentai recommends to leave at least 6-10mm expansion gap to the walls and other fixed objects. Use spacers of 6-10mm thick.

2 .T-mold
Areas greater than 100㎡or 10m in either direction, transitions between rooms, and asymmetrical areas require extra expansion gaps utilizing a T-mold.

3 .For in-floor Radiant heat
In-Floor Radiant Heat: Flooring can be installed over 1/2" (12mm) embedded radiant heat. Radiant heat systems must have a minimum of 1/2” (12mm) separation from the product. Maximum operating temperature should never exceed 85°F (30°C). Use of an in-floor temperature sensor is recommended to avoid overheating.
• Before installing over newly constructed radiant heat systems, operate the system at maximum capacity to force any residual moisture from the cementitious topping of the radiant heat system. The maximum moisture content should be 2.5% (CM method). Before starting the installation, turn the heat off for 24 hours before, during, and 24 hours after installation when installing over radiant heated subfloors.
• Make sure that the temperature in the room is between 60°F (15°C) and 80°F (25°C) during installation.
• Once the installation has been completed, the heating system should be turned on and increased gradually (5 degree increments) until returning to normal operating conditions.
• Refer to the radiant heat system’s manufacturer recommendations for additional guidance.
Warning: Electric heating mats that are not embedded into the subfloor are not recommended for use underneath the flooring. Using electric heating mats that are not embedded and applied directly underneath the flooring will void the warranty.

Protection and Maintenance of Your Floor

1 .Furniture should be moved onto the newly installed floor using an appliance hand truck over hardboard runways.
2 .Do not expose Sentai SPC floor to temperature exceeding 60℃
3 .Oil or petroleum-based products can result in surface staining. Do not track asphalt-driveway sealer or automobile-oil drips onto the SPC floor
4 .Caster wheeled chairs should have wide, rubber casters. Protective mats are required under office chairs.
5 .Use non-staining mats. Rubber may discolor the floor.
6 .Frequently moved furniture should be equipped with felt pads to avoid scratching the floor. Heavy furniture and appliances should be equipped with non-staining large surface floor protectors. Furniture with castors or wheels must be easy swiveling, large surface non-staining and suitable for resilient floors. Do not use ball type castors as they can damage the floor.
7 .Use floor protectors under furniture.
8 .Use walk off mats at entrances to prevent dirt and grit from being tracked on to the floor.
Vinyl floor, like other types of smooth floors, may become slippery when wet. Allow time to dry after cleaning.

Initial & Routine Maintence

Sweep, dust mop or vacuum the floor to remove all loose dirt and grit.
Clean the floor using a properly diluted Neutral PH cleaner in cool water.
Mop or machine clean it
Rinse the floor thoroughly with clean water and allow it to dry. Fans or air moves can speed up the drying time.

Daily Cleaning Directions

Sweep floor to remove loose dirt & soil
Mop floor with the cleaning solution
Trail mop excess soil and wet areas with a clean, tightly wrung out mop
No rinsing required
Allow floor to air dry completely

Claims

The claims are exclusively and unconditionally only for production faults of the material Claims cannot be made for material on which product faults are visible that has already been used, machined and /or processed. Claims never apply to unauthorized use or incorrect application of the material. Seller will offer the new material to replace the bad products only, and not be liable for cost related such as installation costs, transportation and delivery costs, or time and labor. All typesetting and printing errors reserved.

SENTAI SPC TECHNICAL DATA

Nr	Technical Items	Norm	Test Method	Requirement	Test Results	Conclusion
1	Abrasion/Wear Resistance	EN 16511	EN 15468	0.3mm wear layer ≥ 1500 cycles; 0.5mm wear layer ≥ 5000 cycles;	0.3mm wear layer ≥ 1500 cycles; 0.5mm wear layer ≥ 5000 cycles;	0.3mm wear layer, Class 31, Heavy domestic & Moderate commercial 0.5mm wear layer, Class 33, Heavy commercial
2	Scratch	-	ISO 1518-1	≥2500g	3000g	Pass
3	Peel resistance	-	EN ISO 24345	-	Length direction: 125N/50mm Width direction: 140N/50mm	Pass
4	Residual indentation	EN 16511	EN 433/ISO 24343-1	≤ 0.15mm	0.02	Class 34, Very Heavy commercial
5	Impact resistance	EN 16511	EN 13329	≥1800mm	>1800mm	Class 34, Very Heavy commercial
6	Slip resistance	EN 14041	EN 13893	DryCOF ≥0.3	0.37	Class DS
		-	D 51130	≥R9	R10	Anti-slip resistance R10
7	Color fastness to light	EN 13329	ISO 105-B02:1994, Method 3a	≥Grade 6	>Grade 6	Pass
8	Resistance to staining	EN 16511	EN 438-2	Group 1 and 2: Grade 5, Group3: Grade 4	Group 1 and 2: Grade 5, Group3: Grade 4	Class 34, Very Heavy commercial
		-	EN ISO 26987	Index 0	Index 0, not affected	
9	Dimensional stability & curling	EN 16511	ISO 23999	≤ 0.25%	Length direction: 0.08% Width direction: -0.02% Curling: 0.03mm	Class 34, Very Heavy commercial
10	Water resistance/Swelling in water	EN 16511	ISO 24336	≤12%	0.20%	Class 34, Very Heavy commercial
11	Locking strength	EN 16511	ISO 24334	Long side≥2.0KN/m Short side≥3.5KN/m	Long side: 4.9KN/m Short side: 4.2KN/m	Class 34, Very Heavy commercial
12	Thermal conductivity	EN 14041	EN 12667	-	0.126 W/(m.k)	Suitable for underfloor heating system
13	Thermal resistance			-	0.030 m2 · K/W	Suitable for underfloor heating system
14	Reaction to fire	EN 14041	EN 13051-1	-	Class Bfl -S1	Class Bfl -S1
15	Formaldehyde emission	EN 14041	EN 717-1	Release ≤0.124 mg/m3	0.005mg/m3	E1
16	VOC	Decret No2011-321	ISO 16000	TVOC<1000μg/m3	Non Detected	A+
		Floorscore	Californian 01350	Within CREL/TAC	Non Detected	Floorscore certified
17	Lead	CPSIA	CPSC-CH-E-1002-08	≤ 90ppm	Non Detected	Meet children toy reguation
18	PCP	EN 14041	EN 12673	<1ppm	Non Detected	Pass
19	Phthalate content	-	EN 14372	-	Non Detected	Pass
20	Substances of Very High Concern (SVHC)	EU REACH regulation No. 1907/2006	Spectrometry and chromatography	≤ 0.1% (w/w)	Non Detected	REACH compliant
21	The body Voltage	-	EN 1815: 2016 Method A	<2 KV	0.4 KV	Pass
22	Castor Chair	EN 16511	EN 425	>25000 circles	>25000 cirlces	Class 34, Very Heavy commercial