

SWF Seahawk Waterproof Flooring

If there is a floor never compromises consumer's vision, that must be SWF.



Revolutionary

Inorganic Floor Covering Solution

Waterproof Fireproof. PVC Free Formaldehyde Free

with **eco** mineral composite core



Extremely excellent performance
for anywhere to go:

- >> 4inLook® Concept for one-stop beauty
- >> SurfaceGuard® provides lifetime protection
- >> GroutEdge® joint for real tile looking
- >> Large install without transition
- >> TapFit® 5G Click for easiest and fastest on-site job



SWF refers to super dimensional stability, waterproof and ultra-strong surface. The unique structure makes it an ideal choice in various of environment and application scenarios, both in residential and commercial.



KITCHENS



BATHROOMS



LAUNDRY ROOMS



OFFICES



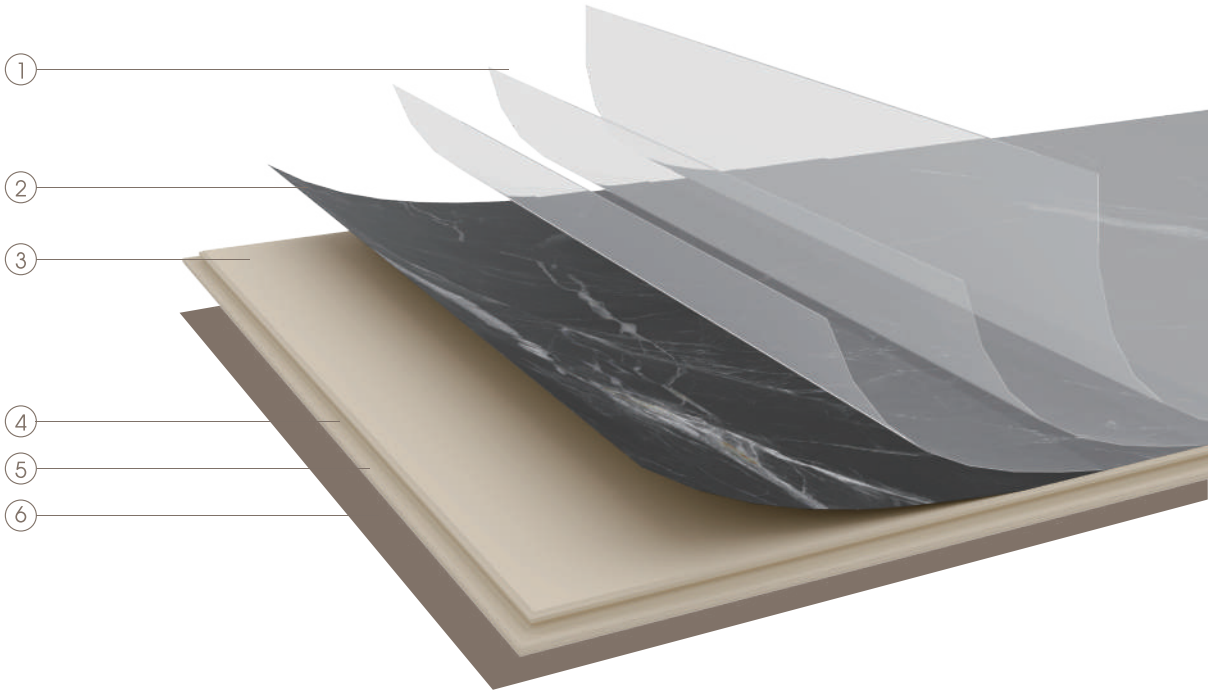
RESTAURANTS



SHOPS

What Makes SWF ?

SWF features an inorganic mineral composite core consisting of proprietary cell-based silicified vegetable fibers. This unique core gives SWF waterproof performance and superior dimensional stability impervious to heat and temperature variation.



1 SurfaceGuard technology for lifetime protection

Liquid overlay adds an extra layer of resistance to wear, scratch and stain resistance than the industry-leading rigid coatings. SurfaceGuard adopts ultimate strong surfaces with the abrasion rating of AC4 and AC5.

2 Décor Paper

Distinctive design patterns with various colors and styles.

3 SWF Core

SWF core with a density of 1450kg/m³ and thickness of 8mm. Inorganic, Waterproof and Fireproof features make it stand out from other competitors.

4 TapFit 5G Click system

TAPFIT locking system makes installation effortless. Just a tap on the end with no mess and no hassle.

5 Balance Paper

Providing balance on dimensional stability and moisture-resistant.

6 Underlayment

IXPE or Cork underlayment for sound insulation and soft underfoot feeling.



SLIP RESISTANT



WATERPROOF



STAINPROOF



DENTPROOF



STYLISH



SCRATCH-RESISTANT



FIRE-RESISTANT



SIMPLE CLEAN



GEOTHERMAL

Surface Design

4inLook® Concept

4inLook texture is our design concept of a whole package including distinctive patterns, colors, embossing, and notably the "gloss". It imparts a perfect natural glow to floors, and the high-tech finish with prismatic reflections is designed to sculpt and highlight you ground, leaving a luminous well- defined finish esthetic value.



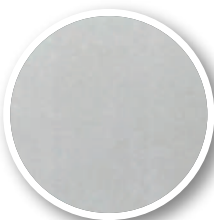
EIR

True-to-Nature
registered embossing



Slate finish

Concrete and Stone
like surface



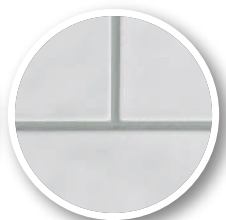
Satin finish

Ceramic and Marble
like surface



Painted Bevel

for distinct plank flooring



GroutEdge®

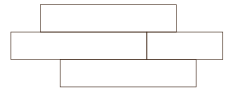
for tile flooring

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More
Choices

Size Variety

WOOD GRAIN & STONE



SWF flooring may come in tile or plank looks whose appearance is as compelling as their performance.

For those looking for maximum authenticity we offer impressive possibilities. Our products range from smooth surfaces to sophisticated textures that are almost indistinguishable from real wood.

Technical Features

The beauty of SWF is what you will see, however, the functional and applicable values will be behind it all and beyond traditional ground decoration materials.



1 Is SWF flooring safe & sustainable?

SWF flooring is safe for both you and the environment. It's quality of PVC free ensure all products to meet the highest standards and to keep the indoor air clean. This means our products do not release VOCs (Volatile Organic Compounds) and other harmful materials.



2 Is SWF flooring suitable for wheel chairs or motorized chairs?

SWF's high rigid structure and strong surface allow it to be applied anywhere under wheel chairs, however, it is not recommended to be applied to ramps. Moreover, it is expected to glue the joints if under motorized chairs.



3 Is SWF flooring can be installed without transition?

SWF is impervious to heat, temperature variations, and mildew, which makes it can be installed in large areas without transitions, 32m x 32m in either direction.



4 Is SWF flooring suitable for floor heating?

SWF flooring is suitable for all underfloor heating, and compatible with embedded radiant floor heating systems, however, you should ensure the radiant heat surface temperature not to exceed 90°F / 32°C.



5 Does the subfloor need to be leveled prior to installing SWF flooring?















Thanks to its rigidity, which hides minor subfloor imperfections, SWF can be placed directly on top of your original floors. However, the subfloor must be clean and level to 3/16"/5mm within a 10ft/3m span.



6 Does SWF flooring require a moisture barrier?

It is recommended to apply a minimum 6 mil/0.15 mm poly-film as a moisture barrier between the concrete subfloor and the flooring. A minimum 6 mil/0.15 mm plastic poly sheeting must be used as a moisture barrier, when installed over a wood substrate or a below-grade area.

Certifications & Test Results

Description	Standard	Symbol	Requirements	Results
CE Certification	EN14041		Refer to Standard	Passes Requirements
EPA(Core)			Refer to Standard	Passes Requirements
VOC	FloorScore			Passes Requirements
Formaldehyde	EN717-1		Class NA	Passes Requirements
Reaction to Fire	ASTM648			Class I
REACH	Ortho-phalates			Not Detected
	Lead/Metals	N/A		Not Detected
	Benzene/Xylene	N/A		Not Detected
REACH	Tributyltin	N/A		Not Detected
	PCP (pentachlorophenol)	N/A		Not Detected
Thickness Swell	NALFA LF01		Heavy Commercial $\leq 12\%$	Mean 1.6%
Dimensional Stability - humidity	ASTM F2199-09		$\leq 0.30\%$	Passes Requirements
Dimensional Stability - temp	EN ISO 23999		$\leq 0.25\%$	Passes Requirements
Classification (Level of Use)	EN 16511 EN ISO 10874		Commercial - Heavy (Class 33)	Passes Requirements
Resistance to Staining	ASTM F925			Passes Requirements
Castor Chair Resistance	EN 425 NALFA LF 01-2011 SECTION 3.9		After 25000 cycles	No disturbance to the surface; No delamination, cracks or visible damages
Locking Strength	EN 16511 ISO 24334		Long Side $\geq 1.0\text{kN/m}$ Short Side $\geq 1.5\text{kN/m}$	Passes Requirements
Slip Resistance AMD Dry Condition AMD Wet Condition	ASTM D2394-2011 ASTM D2394-2011			Coefficient: .59 (Static); .42 (Slide) Coefficient: .59 (Static); .49 (Slide)

SWF

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