

ENGINEERED SPC / VINYL TOP LAYER / IRONLITE CORE (SPC/WPC/SPC) / OEM AVAILABLE



SPC REDEFINED.

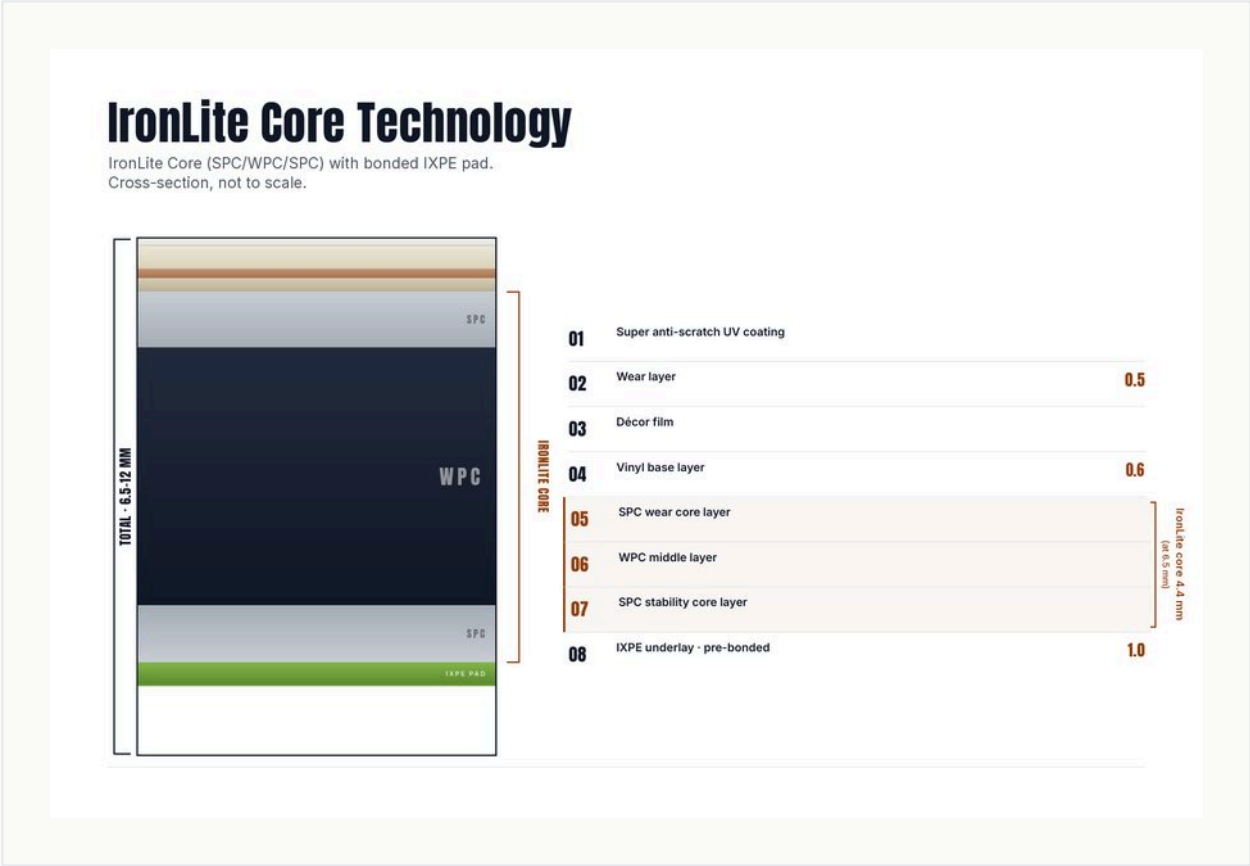
The strength of iron, the lightness of air. Inside.

Engineered SPC with a vinyl top layer, an IronLite Core (SPC/WPC/SPC) and bonded IXPE backing.

Lighter to ship, stronger click, warmer underfoot.

Your brand on the front. Your call on the badge.

The sandwich is the story.



- 05

SPC wear core layer
Indentation resistance, click integrity. Stability.
- 06

WPC middle layer
Impact dampening, acoustic absorption, the underfoot warmth of real wood.
- 07

SPC stability core layer
Dimensional control through summer-to-winter heat cycles.

The math your buyer counts.

41%

LIGHTER THAN SPC

1,200 kg/m³ vs 2,050 kg/m³. Less weight per pallet, less weight per container.

1.4×

MORE M² PER 20' CONTAINER

3,140 m² vs 2,210 m² of conventional SPC per 20' container (6.5 mm, 20 pallets), at under 22 tonnes.

50%

LOWER SHRINKAGE VS WPC

0.10% vs 0.20% horizontal under ISO 23999:2021. Half the seam-separation risk on climate-cycle programs.

22%

LOWER INDENTATION

0.07mm vs 0.09mm (WPC), 0.08mm (SPC) under ISO 24343-1. Boards hold against the realities of household life.

Three differences your end customer feels.

Stronger clicks.

Single-layer rigid cores fail at the click joint when stressed. With IronLite Core, click stress distributes across two SPC layers separated by a WPC shock absorber. Edges don't shear under heavy traffic or moving furniture. Fewer warranty calls.

Warmer underfoot.

The WPC middle layer gives boards the acoustic and tactile feel of real engineered wood. Conventional SPC sounds hollow and feels cold. Boards with IronLite Core walk like a hardwood. End consumers feel it on the first step.

Super anti-scratch UV finish.

Dropped objects damage conventional WPC finishes easily. Our super anti-scratch UV topcoat survives stiletto heels, dog claws, and dragged kitchen chairs: the realities of household life.

Nine sizes, one core.

All boards 180mm × 1220mm plank, 0.5mm wear layer, 0.6mm vinyl, 1mm IXPE underlay bonded.

SKU	TOTAL THICKNESS	IRONLITE CORE	PIECES / BOX	M ² / BOX	M ² / 20' (20 PALLETS)
IL-180x1220-6.5mm	6.5 mm	4.4 mm	11	2.42	3,140
IL-180x1220-7.0mm	7.0 mm	4.9 mm	11	2.42	2,899
IL-180x1220-7.5mm	7.5 mm	5.4 mm	9	1.98	2,569
IL-180x1220-8.0mm	8.0 mm	5.9 mm	8	1.76	2,460
IL-180x1220-8.5mm	8.5 mm	6.4 mm	8	1.76	2,284
IL-180x1220-9.0mm	9.0 mm	6.9 mm	7	1.54	2,152
IL-180x1220-10.0mm	10.0 mm	7.9 mm	7	1.54	1,998
IL-180x1220-11.0mm	11.0 mm	8.9 mm	6	1.32	1,845
IL-180x1220-12.0mm	12.0 mm	9.9 mm	6	1.32	1,713

Two paths, one core technology.

PATH A

Use the IronLite Core badge.

The badge sits in the corner of your packaging, the way Intel Inside, Gore-Tex, and Dolby ride along on products their inventors don't manufacture. Recommended when you want a recognizable third-party technology signal.

YOUR BRAND

Premium Resilient · 180 × 1220



PATH B

Rename the core under your own brand.

Call it whatever fits your line. The IronLite Core name and badge don't appear on your customer-facing materials. The name is not trademarked. Recommended for partners with their own established technology branding.

YOUR BRAND

Premium Resilient · 180 × 1220

YOUR TECH NAME



ENQUIRIES

sovernhouse.co

Samples, specifications and lead times on request.



SOVERN GROUP

Follow Sovern Group on LinkedIn

LINKEDIN

[linkedin.com/company/sovern-group](https://www.linkedin.com/company/sovern-group)

WEBSITE

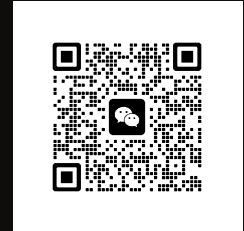
sovernhouse.co

EMAIL

alex@sovernhouse.co

PHONE

[+886 970 781 818](tel:+886970781818)



WeChat

SCAN TO ADD ALEX McCONNELL



WhatsApp

SCAN TO MESSAGE ALEX