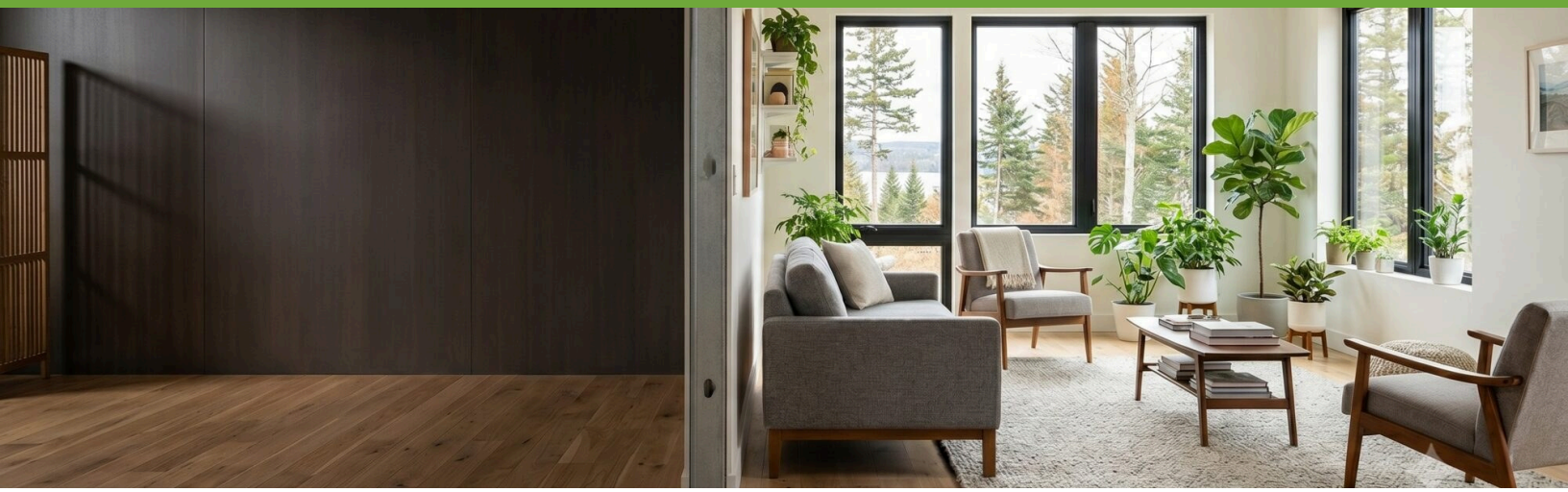
SPC FLOORING

Stone-polymer core, 0.55 mm wear layer, IXPE underlay bonded to the plank. Two colours on the floor in Charlottetown and a European design library behind them.



WEAR LAYER	PLANK	BUILD-UP	USE CLASS
0.55 mm · 22 MIL	48″ × 7″	5.5 mm incl. IXPE	Class 34 commercial

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IMPORTED BY

VY BUILD INC.
INTELLIGENT CONSTRUCTIONS

VY Build Inc. · 27A Third Street, Charlottetown, PE C1E 3V4

(902) 629-6699 · info@vybuild.ca · **vybuild.ca**

Prices current 4 October 2026 · delivery across Atlantic Canada

WHY THIS FLOOR

What is under the picture

Every click floor in a showroom has a printed photograph of wood on top. They differ in what sits under that photograph — and that core decides what happens when a dishwasher leaks, how the floor sounds underfoot, and how flat the subfloor has to be.

Laminate — wood-fibre core

CORE
High-density fibreboard. Wood, compressed.

WATER
The weak point. Water that reaches a joint swells the core, and swollen board does not go back down.

UNDERFOOT
Hard and loud without a separate underlay, which you buy and lay yourself.

The cheapest click floor, and fine in a dry bedroom. It is the wrong floor for a kitchen, a bathroom or a basement, whatever the box says about water resistance.

SPC — stone-polymer core — this floor

IXPE UNDERLAY ATTACHED

CORE
Limestone powder bound in PVC. No wood fibre anywhere in it, so there is nothing to swell.

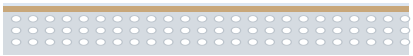
WATER
The core is not damaged by water. Standing water still has to be cleared — the subfloor beneath it is not waterproof.

UNDERFOOT
1.5 mm IXPE underlay bonded to the plank at the factory. Nothing separate to buy or lay — and the published sound figures are measured on it.

SUBFLOOR
Rigid, so it bridges small irregularities a thin glue-down vinyl would telegraph.

Dense and dimensionally stable — the reason it is the floor that goes into kitchens, basements and rentals. Also the hardest of the three underfoot; stone core is stone core.

WPC — foamed core



CORE
Polymer foamed with air. Thicker board for the same job.

WATER
Also unaffected by water.

UNDERFOOT
The warmest and quietest of the three. The reason people choose it.

Softer to walk on and correspondingly easier to dent under a fridge leg. Thicker, heavier to ship, dearer per square foot.

THE NUMBER TO COMPARE IS THE WEAR LAYER, NOT THE TOTAL THICKNESS. The wear layer is the clear film over the printed decor. It is what stands between a chair leg and the picture, and it is the only figure that decides how long the floor keeps looking like the sample. A thicker core makes a quieter floor; only a thicker wear layer makes a longer-lasting one.

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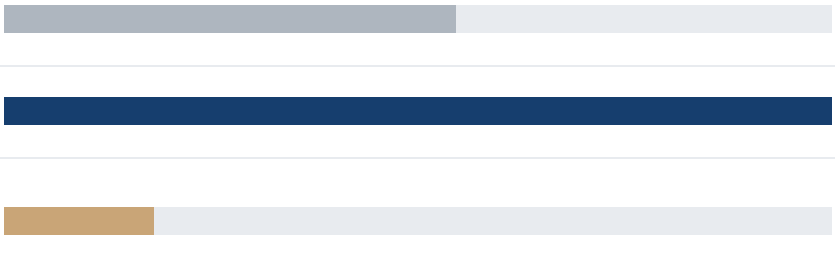
SPECIFICATION

22 MIL, Class 34 COMMERCIAL GRADE

Where this floor sits on the only scale that matters. Class 34 is the European use class for commercial traffic under EN 16511 — shops, offices, hospitality — a higher bar than any floor needs in a house. Abrasion resistance ≥ 7,000 cycles.



Technical data

CONSTRUCTION	SPC — stone-polymer core, click lock, IXPE underlay bonded to the plank
PLANK	1219.2 × 177.8 mm (48″ × 7″)
BUILD-UP	4 mm SPC core + 1.5 mm IXPE underlay = 5.5 mm total
WEAR LAYER	0.55 mm (22 MIL) · abrasion ≥ 7,000 cycles, EN 13329 Annex E
USE CLASS	EN 16511 Class 34 — commercial
FIRE REACTION	B_{fl}-s1 — EN 13501-1
SLIP	R9, μ ≥ 0.30 DS — DIN 51130 / EN 13893
INDOOR AIR	FloorScore SCS-FS-05915 · TVOC A+ (EN 16516) · formaldehyde E1, free (EN 717-1) · PCP and phthalate free
STABILITY	≤ 0.15% — EN ISO 23999. Residual indentation ≤ 0.01 mm (ISO 24343-1)
IN-FLOOR HEATING	Suitable, surface temperature max. **29 °C**
SOUND	19 dB impact (EN ISO 717-2) · STC 52 · IIC 50, measured with 1 mm IXPE
CASTOR CHAIR	≥ 25,000 cycles (EN 4918) · furniture leg: no damage
BOX	10 planks · 2.167 m^2 · 23.33 sq ft
PALLET	1,045 sq ft per colour
ACCLIMATION	24 hours in the room it is going into

Certificates and test documents are available to trade customers on request.

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THE RANGE

Two on the floor, the library behind

Two colours are held in Charlottetown and sold by the box with no minimum. They are chosen on what actually sells and they change with the season — check the website before you plan a job around a colour.

VY-115 Oak Grey IN STOCK

Cool, even grey oak. The safe choice over a rental or a spec build, and the one that disappears under any wall colour.

VY-107 Oak Beige IN STOCK

Warm natural oak. Reads lighter in a room with small windows, which is most rooms on this coast in January.

Ordered in, not stocked

Everything else in the European design library — oak, walnut, ash, herringbone-ready strips, stone visuals, multi-tone planks — and LVT-DB in place of SPC, comes with the next container. **Minimum one pallet, 1,045 sq ft per colour.** Ask us for the current lead time before you plan around it; we would rather tell you now than at the quote.

SPC

Maximum rigidity over an uneven subfloor. The default, and what both stock colours are.

LVT-DB

The same design library in a slightly warmer, softer board. Ordered in, priced per project.

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ON SITE

Laying it

Before you start

- **Acclimate 24 hours** in the room it is going into. Not the garage.
- Subfloor **clean, dry and flat**. SPC bridges small irregularities; it does not fix a bad floor.
- **No separate underlay.** The 1.5 mm IXPE is already on the plank — adding another one voids the system and makes the click joint work loose.

Laying

- Leave the **perimeter expansion gap** your installer specifies. Every click floor needs one, including this one.
- **Click lock, floating.** No adhesive, no special tools.
- Stagger end joints and keep offcuts — the last row is where a box and a half becomes two.

In-floor heating

- Suitable. Ask us for the surface temperature limit and give it to whoever commissions the system.

How much to order

One box covers **23.33 sq ft**. Add 7% for cuts on a simple rectangular room and 10% where there are angles, a hearth or a diagonal lay.

ROOM	AREA	BOXES +7%
10′ × 12′	120 sq ft	**6**
12′ × 16′	192 sq ft	**9**
14′ × 20′	280 sq ft	**13**
A 900 sq ft floor	900 sq ft	**42**

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HOW TO BUY

Three channels, one price logic

Stock costs more than a container run, and we will tell you why: we carry the warehousing, the financing and the box-at-a-time handling, so you do not. Three named offers with different terms — not a discount on the same one.

STANDARD COLOURS	SHOP PRICE	BY THE PALLET	CONTAINER RUN
Per square foot	$2.67	$2.29	$1.99
Per box of 23.33 sq ft	$62.20	$53.43	$46.43
A pallet — 1,045 sq ft	—	$2,393.05	$2,079.55

Prices in CAD, ex works Charlottetown, applicable taxes extra. Current at 4 October 2026 — vybuild.ca always carries the live price. Ordered-in decors are quoted per project.

Shop price

Both standard colours, by the box, no minimum — and included in the VY Flex house kits at no extra cost.

By the pallet

1,045 sq ft of one colour. Also the minimum for any design outside the two stock colours.

Container Run

Numbered runs with a published fill level. Reserving costs nothing. When the container fills you buy off a full container load. It takes longer and it is worth it if you can plan ahead.

Samples go in the post

Tell us the colour and we will send a plank — no charge, no follow-up call. Scan for the full design library, current stock colours and the live price.

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