

PRO Collection | Engineered 1/2" x 5" platform



Product Technical Specifications

Nature of material	Top layer: Hardwood, 4 mm thick Base: 7-ply crossed hardwood plywood
Dimensions	Thickness: 1/2" (12,7 mm) Width: 5" (127 mm) Lengths: Random, from 12" to 83" (305 mm to 2 108 mm)
Profiling	Micro v-joint on 4 sides
Moisture content	Between 6% and 9%
Species and Janka hardness (lb)	White Oak (1 360), Red Oak (1 290), Hard Maple (1 450), Hickory (1 820), White Ash (1320)
Available grades	Select & Better, Distinction and Authentic
Colors	Refer to the current Mercier Product Chart
Accessories	T-Moldings, Quarter Rounds, Thresholds, Reducers and Stair nosings, according to the wood species Touch-up kits, Maintenance kit

Finishes and Warranties



Mercier Generations Finish

Acrylate polymer-based finish consisting of plant-based oil and UV-cured polymer and reinforced with suspended aluminum oxide particles.

Available glosses: Satin (30°), Matte and Matte-brushed (10°), according to the wood species.

Warranties

35 years for normal residential use
5 years for light commercial use
Structural lifetime warranty



Generations Intact 2500 Finish

Finish composed of plant-based oil and microfragmented aluminum particles (AL₂O₃) in suspension in a UV-cured polyurethane resin.

Available gloss: Intact (10°)

Warranties

50 years for normal residential use
10 years for light commercial use
3 years for commercial use with direct outdoor access
Structural lifetime warranty

Non-yellowing: The non-yellowing formula in the finishes reduces the natural wood board yellowing process.

Antimicrobial: The antimicrobial contained in our finishes helps reduce the risk of spreading bacteria and mildew. Completely non-toxic, this special treatment adds an additional level of protection for healthier floors.

Packaging	Number of boxes	Content	Width	Length	Height	Weight
Box		33 sq. ft. (3,1 m ²)	10"	87"	3 ¼"	62 lb (28 kg)
Pallet	40	1 320 sq. ft. (123 m ²)	42"	87"	36"	2 700 to 3 000 lb (1 225 to 1 361 kg)

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Installation

Types of installation Nailed, Glued, Stapled or Floating* (*Except Hickory)

Relative humidity Between 30% and 65%

Subfloor

- OSB or 3/4" (19 mm) plywood
Joists spaced no more than 19" (48,3 cm) C-C
- 5/8" (16 mm) plywood
Joists spaced no more than 16" (40,6 cm) C-C
- Concrete slab

Installation sites Basement, first floor and upper floors

Radiant heated floor Yes. Refer to the Technical bulletin #5 for more details.

VOC / Formaldehyde

VOC-free and formaldehyde-free finish: ASTM D-5116

Greenguard Gold certification: Applies to all species, widths and colors.

Phtalate-free finish: OSHA method 104

EPA TSCA Title VI compliant

Maximum Greenguard Gold emission criteria

TVOC	≤ 0,22 mg/m ³
Formaldehyde	≤ 0,0073 ppm
Total Aldehydes	≤ 0,043 ppm
IVOCs	≤ 1/100 TLV and 1/2 chronic REL

Applicable standards

Surface burning ASTM-E-84 Class C (varies according to the wood species)
Flame Spread Index: 100 to 150
Smoke Development: 75 to 400 according to the wood species

Surface burning CAN/ULC-S102.2 Flame Spread Index (FSR): 130
Smoke Development (SDC): 255

Abrasion resistant finish (Taber test) **Mercier Generations finish:** Nema LD3: 1 000 cycles
Generations Intact 2500 finish: Nema LD3: 2 500 cycles

Static friction coefficient ASTM D2394 **Mercier Generations finish (according to the gloss)**
Satin: 0,57 | Matte and Matte-brushed: 0,68
Generations Intact 2500 finish
Intact: 0,56

Certifications



The information in this document was accurate at the time of publication. Mercier Wood Flooring reserves the right to change the products or products characteristics at any time without notice.