

## Engineered 1/2" x 5" platform



### Product Technical Specifications

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

### Finishes and Warranties



#### Mercier Generations Finish

Acrylate polymer-based finish consisting of plant-based oil and UV-cured polyurethane 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 (AL<sub>2</sub>O<sub>3</sub>) 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 <sup>2</sup> )	10"	87"	3 ¼"	62 lb (28 kg)
Pallet	40	1 320 sq. ft. (123 m <sup>2</sup> )	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

#### Maximum Greenguard Gold emission criteria

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

TVOC	≤ 0,22 mg/m <sup>3</sup>
Formaldehyde	≤ 0,0073 ppm
Total Aldehydes	≤ 0,043 ppm
IVOCs	≤ 1/100 TLV and ½ chronic REL

**Phtalate-free finish:** OSHA method 104

EPA TSCA Title VI compliant

### 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.