

## Engineered 1/2" x 3 1/4" 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: 3 1/4" (83 mm) Lengths: Random, from 12" to 84" (305 mm to 2 134 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>	Red Oak (1 290), Hard Maple (1 450)
<b>Available grades</b>	Select & Better and Distinction
<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 glosses:** Intact (25°) and Intact-brushed (25°), according to the wood species.

#### 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 Ultra-fresh™ antimicrobial coating helps maintain excellent hygiene by reducing the risk of spreading bacteria and mildew and adds an additional level of protection for hygienic and sanitary floors.

Packaging	Number of boxes	Content	Width	Length	Height	Weight
Box		33,6 sq. ft. (3,1 m <sup>2</sup> )	10"	87"	3 1/4"	67 lb (30 kg)
Pallet	40	1 344 sq. ft. (125 m <sup>2</sup> )	42"	87"	36"	2 300 to 2 500 lb (1 225 to 1 361 kg)

## Engineered 1/2" x 3 1/4" platform

### Installation

<b>Types of installation</b>	Nailed, Glued, Stapled or Floating
<b>Subfloor</b>	<ul style="list-style-type: none"> <li>• OSB or 3/4" (19 mm) plywood Joists spaced no more than 19" (48,3 cm) C-C</li> <li>• 5/8" (16 mm) plywood Joists spaced no more than 16" (40,6 cm) C-C</li> <li>• Concrete slab</li> </ul>
<b>Installation sites</b>	Basement, first floor and upper floors
<b>Radiant heated floor</b>	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 <sup>3</sup>
Formaldehyde	≤ 0,0073 ppm
Total Aldehydes	≤ 0,043 ppm
I VOCs	≤ 1/100 TLV and ½ chronic REL

### Applicable standards

<b>Surface burning ASTM-E-84</b>	Class C (varies according to the wood species) Flame Spread Index: 100 to 150 Smoke Development: 75 to 400 according to the wood species
<b>Surface burning CAN/ ULC-S102.2</b>	Flame Spread Index (FSR): 130 Smoke Development (SDC): 255
<b>Abrasion resistant finish (Taber test)</b>	<b>Mercier Generations finish:</b> Nema LD3: 1 000 cycles <b>Generations Intact 2500 finish:</b> Nema LD3: 2 500 cycles
<b>Static friction coefficient ASTM D2394</b>	<b>Mercier Generations finish (according to the gloss)</b> Satin: 0,57   Matte and Matte-brushed: 0,68 <b>Generations Intact 2500 finish (according to the gloss)</b> Intact: 0,56   Intact-brushed: 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.