

TUFFWOOD

Technical Specifications

Engineered 1/2" x 5" platform



Product Technical Specifications

Nature of material	Top layer: Hardwood, 4 mm thick Base: Plywood
Dimensions	Thickness: 1/2" (13 mm) Width: 5" (127 mm) Lengths: Random, from 12" to 83" (305 mm to 2 108 mm) May occasionally include a few planks of an inferior length
Profiling	Micro v-joint on 4 sides
Moisture content	Between 6% and 9%
Species and Janka hardness (lb)	Red Oak (1 290)
Available grade	Authentic
Colors	Refer to the TuffWood Color Selection
Manufacturing	Manufactured, stained and finished in Canada by Mercier Wood Flooring

Finish and Warranties



livUP Finish

Finish composed of plant-based oil and microfragmented aluminum particles (AL_2O_3) in suspension in a UV-cured polyurethane resin.

Available gloss: Matte (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 finish reduces the natural wood board yellowing process.

Antimicrobial: The antimicrobial contained in the finish 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 m ²)	10"	87"	3 ¼"	62 lb (28 kg)
Pallet	40	1 320 sq. ft. (122.6 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

Relative humidity Between 30% and 65%

Subfloor

- OSB or 3/4" (19 mm) plywood
Joists spaced no more than 19" (48 cm) C-C
- 5/8" (16 mm) plywood
Joists spaced no more than 16" (41 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.* (*Except Hickory)

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

TSCA Title VI compliant & CANFER compliant

Maximum Greenguard Gold emission criteria

TVOC	≤ 0.22 mg/m ³
Formaldehyde	≤ 0.0073 ppm
Total Aldehydes	≤ 0.043 ppm
I VOCs	≤ 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)** **livUP finish:** ASTM D4060: 2 500 cycles

**Static friction coefficient
ASTM D2394** **livUP finish:** Matte: 0.56

Certifications



CONTRIBUTION
TO THE CERTIFICATION
LEED[®]

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.