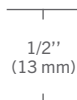


TUFFWOOD

Technical Specifications

Engineered 1/2" x 6 1/2" platform



Product Technical Specifications

Nature of material	Top layer: Hardwood, 4 mm thick Base: Plywood
Dimensions	Thickness: 1/2" (13 mm) Width: 6 1/2" (165 mm) Lengths: Random, from 16" to 85" (407 mm to 2 159 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 (AL₂O₃) 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)	6 3/4"	88"	4.5"	66 lb (30 kg)
Pallet	42	1 386 sq. ft. (129 m ²)	42"	88"	37"	2 400 to 2 800 lb (1 089 to 1 270 kg)

TUFFWOOD

Technical Specifications

Engineered 1/2" x 6 1/2" platform

Installation

Types of installation	Nailed, Glued, Stapled or Floating
Relative humidity	Between 30% and 65%
Subfloor	<ul style="list-style-type: none"> • 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
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)	livUP finish: ASTM D4060: 2 500 cycles
Static friction coefficient ASTM D2394	livUP finish: Matte: 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.