

**MULTI-PLY ENGINEERED CONSTRUCTION - MULTI-LENGTHS - MICRO-V HARDWOOD FLOOR  
BLACK WALNUT, BRAZILIAN CHERRY, SANTOS MAHOGANY, WHITE OAK (R&Q)**

**Specifications**



CONSTRUCTION		
Type	Multi-ply engineered	Multi-ply engineered
Widths	3 1/4" (82.5 mm) - Up to 4'	5 3/16" (132 mm) - Up to 6'
Length - Multi-Lengths	13", 18 1/2", 28", 47 3/16" (330 mm, 470 mm, 711 mm, 1,199 mm)	13", 18 1/2", 23 1/4", 28", 33 1/2", 47 3/16", 71" (330 mm, 470 mm, 591 mm, 711 mm, 851 mm, 1,199 mm, 1,803 mm)
Edges	Micro-V on all 4 sides	
Joint	Tongue and groove	
Thickness	Overall	7/16" (11 mm)
	Wear Layer	1/8" (3.2 mm) dry solid sawn
	Bottom Layer	5/16" (7.8 mm) Douglas fir plywood 100% sourced from North American forests
Relative Humidity	35% - 65%	
Fabrication	Designed and manufactured in Canada (Quebec)	

PRODUCTS	
Species	Black Walnut, Brazilian Cherry, Santos Mahogany, White Oak Rift & Quarter sawn
Texture	Smooth
Grades	<p><i>(Brazilian Cherry - Santos Mahogany)</i> <b>Select &amp; Better*</b>: This floor offers a distinguished and even looking appearance with subtle color variation and natural shades. Presence of small sound knots and mineral streaks are very limited.</p> <p><i>(Black Walnut)</i> <b>Exclusive</b>: Natural looking surface with moderate color variations and wood natural characteristics, such as sound and open knots, as well as knots filled with wood putty, mineral streaks, surface checks and splits.</p> <p><i>(White Oak)</i> <b>Exclusive Rift &amp; Quarter Sawn</b>: Offered exclusively in White Oak, this floor is crafted through a traditional sawmilling technique that highlights its most remarkable features. With a color variation ranging from a soft creamy white to a rich golden brown, it's dense and linear grain occasionally reveals sinuous, ribbon-like pattern. The occasional presence of knots and mineral streaks is to be expected, it further enhances the beauty of this sophisticated wooden floor.</p>

FINISH	
Sheens (Gloss Levels)	Ultra-Matte (10%), Semi-Gloss (40%)
Titanium™ Finish	Polymerized Titanium finish enhanced with nanotechnology
Characteristics	<p>Appearance and durability: Superior</p> <p>Gloss wear resistance and stain resistance: Superior</p> <p>Ease of maintenance and repair: Superior</p> <p>Formaldehyde, solvent &amp; water: Free</p>
Static Friction Coefficient ASTM D-2394-99	Slippery resistance coefficient more than 0.5
UV Rays Protection	Sunshield™
Pure Genius®	Air-Purifying Titanium Dioxide Photocatalytic Agent
	NOX Removal: Superior - 0.35lb / year / 454 ft <sup>2</sup> - ISO 22197-1
	Formaldehyde Removal: Superior - 85% - ISO 22197-4
	Acetaldehyde Removal: Superior - 98% - ISO 22197-2
	Antimicrobial Properties: Superior - E.coli (ATCC 8739) 99.65%; S.aureus (ATCC 6538P) 99.63%; K.pneumoniae (ATCC 4352) 99.7% - ISO 27447:2009
	Availability: Standard

INSTALLATION, USAGE & WARRANTIES			
Installation	<b>Levels:</b> Basement, main and upper floors	<b>Methods:</b> Nailed, stapled, glued or floated	<b>Subfloors:</b> Concrete, plywood or OSB 3/4"
Radiant Heat	Compatible		
Maintenance	Recommended hardwood flooring cleaning products		
Uses	Residential & light commercial		
Warranties	Structural : Lifetime		
<i>(Please refer to the Installation Guide)</i>	Wear-through finish:	Residential: 50 years	Light Commercial: 5 years

PRODUCT STANDARDS	
Formaldehyde Emission ASTM D6007-14	Below limit of quantitation of 0.008 ppm
VOC Total ASTM-D-6670-01	0.003 ppm (depends on wood species)
Surface Burning ASTM-E84	Classe 3 or C
R value	R 0.44 to 0.51 (depends on wood species)
Critical Radiant Flux ASTM-E-648-94a	0.25 - 0.40 watt/cm <sup>2</sup> (depends on wood species)

CERTIFICATIONS	
LEED	Qualifies for LEED credits projects - Please refer to Eco-declaration VED16-1067-02 (Except exotic species)
CARB 93120 Phase II	Compliant
Lacey Act	Compliant
ISO 14001	CERT-0120164

PACKAGING		
	<b>3 1/4" (82.5 mm) - Up to 4'</b>	<b>5 3/16" (132 mm) - Up to 6'</b>
Coverage per box	31.3 ft <sup>2</sup> (2.91 m <sup>2</sup> )	30.3 ft <sup>2</sup> (2.79 m <sup>2</sup> )
Box size	47 3/4" L x 10 35/64" W x 4 11/16" H (1,213 mm L x 268 mm W x 119 mm H)	70.71" L x 10.87" W x 2.72" H (1,796 mm L x 284 mm W x 69 mm H)
Box weight	43 - 56 lb (varies depending on species)	51 - 65 lb (varies depending on species)
Boxes per pallet	32	48
Coverage per pallet	1,001.6 ft <sup>2</sup> (93.05 m <sup>2</sup> )	1,454.4 ft <sup>2</sup> (135.11 m <sup>2</sup> )
Pallet size	48" L x 42" W x 48" H (1,219.2 mm L x 1,066.8 mm W x 1,219.2 mm H)	72" L x 36" W x 43.5" H (1,828.8 mm L x 914.4 mm W x 1,104 mm H)

RELATIVE SPECIES HARDNESS		
NWFA Janka	Black walnut: 1,010 lb - 22% softer	Santos Mahogany: 2,200 lb - 71% harder
Hardness Test (ASTM-D-143)	Brazilian Cherry: 2,820 lb - 82% harder	White Oak: 1,360 lb 5% harder

Reference: North American Oak 1,290 lb\* - 100%  
\*lb = Applied force in pounds



Customer service: 1 877 427 5144  
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