

# Multiply Engineered Construction - Multi-Lengths - Micro-V Hardwood Floor

## Black walnut, Brazilian Cherry, Santos Mahogany, White Oak (R&Q)

# General Specifications



CONSTRUCTION			
Type	Multiply engineered	Multiply engineered	Multiply engineered
Widths	3 1/4" (82.5 mm) - Up to 4'	5 3/16" (132 mm) - Up to 4' ( <i>Black Walnut only</i> )	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", 28", 33 1/2", 47 3/16" (330 mm, 470 mm, 711 mm, 851 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	<b>Select &amp; Better:</b> Very uniform looking surface with subtle color variations and wood natural characteristics, such as sound knots of less than 1/8" (3 mm)*, open knots of less than 1/32" (1 mm), mineral streaks and checks. *With occasional presence of filled knots with larger dimensions. This does not affect the nature of the grade for Santos Mahogany and Brazilian Cherry. <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.		
FINISH			
Sheens (Gloss Levels)	Ultra-Matte (10%), Semi-Gloss (40%)		
Titanium™ Finish	Polymerized Titanium finish enhanced with nanotechnology		
Characteristics	Appearance and durability: Superior Gloss wear resistance and stain resistance: Superior Ease of maintenance and repair: Superior Formaldehyde, solvent & water: Free Slippery resistance coefficient more than 0.5		
Static Friction Coefficient ASTM D-2394-99	Slippery resistance coefficient more than 0.5		
UV Rays Protection	Sunshield™		
Antimicrobial Protection ISO 22196 & ASTM E2180-2007	PermaClean®		
Pure Genius® Smart Floor Technology	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	
	Technology:	Contains ACTiO2™ licensed by Välinge Photocatalytic AB	
	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> Ceramic, vinyl, concrete, plywood or OSB 3/4"
Radiant Heat	Compatible		
Maintenance	Recommended hardwood flooring cleaning products		
Uses	Residential & light commercial		
Warranties	Structural : Lifetime		
(Please refer to the Installation Guide)	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 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> )	33.6 ft <sup>2</sup> (3.12 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)	47 61/64" L x 11 3/16" L x 4 11/16" H (1,218 mm L x 284 mm L 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)	53 - 67 lb (varies depending on species)	51 - 65 lb (varies depending on species)
Boxes per pallet	32	32	48
Coverage per pallet	1,001.6 ft <sup>2</sup> (93.05 m <sup>2</sup> )	1,075.2 ft <sup>2</sup> (99.89 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)	48" L x 46" L x 48" H (1,219.2 mm L x 1,168.4 mm L 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: Red Oak 1,290 lb* - 100%			
*lb = Applied force in pounds			

