

Multiply Engineered Construction - Multi-Lengths - Micro-V Hardwood Floor Hard Maple and Red Oak

General Specifications



CONSTRUCTION		
Type	Multiply engineered	Multiply 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	Harvested, designed and manufactured in Canada (Quebec)	

PRODUCTS	
Species	Hard Maple, Red Oak
Textures	Smooth, Brushed
Grades	<p>Select & Better: 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.</p> <p>Exclusive: 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>Character: Natural looking surface with prominent color variations and abundant natural wood characteristics, such as sound knots of all sizes, open knots of less than 5/64" (2 mm) and knots filled with putty, mineral streaks, surface checks, splits and a few others.</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 & Water: Free</p>
Static Friction Coefficient ASTM D-2394-99	Slippery resistance coefficient more than 0.5
UV Rays Protection	Sunshield ^{MC}
Antimicrobial Protection ISO 22196 & ASTM E2180-2007	PermaClean [®]
Pure Genius [®] Smart Floor Technology	<p>Air-Purifying Titanium Dioxide Photocatalytic Agent</p> <p>NOX Removal: Superior - 0.35lb / year / 454 ft² - ISO 22197-1</p> <p>Formaldehyde Removal: Superior - 85% - ISO 22197-4</p> <p>Acetaldehyde Removal: Superior - 98% - ISO 22197-2</p> <p>Antimicrobial Properties: Superior - E.coli (ATCC 8739) 99.65%; S.aureus (ATCC 6538P) 99.63%; K.pneumoniae (ATCC 4352) 99.7% - ISO 27447:2009</p> <p>Technology: Contains ACTIO2™ licensed by Välinge Photocatalytic AB</p> <p>Availability: Standard</p>

INSTALLATION, USAGE & WARRANTIES			
Installation	Levels: Basement, main and upper floors	Methods: Nailed, stapled, glued or floated	Subfloors: Ceramic, vinyl, 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 ² (depends on wood species)

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

PACKAGING		
	3 1/4" (82.5 mm) - Up to 4'	5 3/16" (132 mm) - Up to 6'
Coverage per box	31.3 ft ² (2.91 m ²)	30.3 ft ² (2.79 m ²)
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 ² (93.05 m ²)	1,454.4 ft ² (135.11 m ²)
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	Red Oak: 1,290 lb - average hardness	Hard Maple: 1,450 lb - 12% harder
Hardness Test (ASTM-D-143)		
Reference: Red Oak 1,290 lb* - 100%		
*lb = Applied force in pounds		

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