



Betula, Palomino

**Products**

Species	Betula, Red Oak		
Grade	Antique		
Grade Description	Please refer to the Species and Grade Guides available in the "Useful Literature" section of the website.		
Style	Shaded		
Texture	Smooth, Open Grain		
Sheen (Gloss Level)	Pearl (20%)		
Colors	Cigarillo, Copper, Palomino		
Maintenance	Recommended hardwood flooring cleaning products		
Uses	Residential & light commercial		
Warranties <i>(Please refer to the Installation Guide)</i>	Structural:	Lifetime	
	Finish wear-through:	Residential: 35 years	Light commercial: 5 years
Relative Species Hardness	Betula:	1,260 lbs - 2% softer	Red Oak: 1,290 lbs - average hardness
NWFA Janka - Hardness Test (ASTM-D-143)	Red Oak 1290 lbs* - 100% *lbs = Applied force in pounds		

**Finish**

Titanium™ Finish	Polymerized titanium finish enhanced with nanotechnology		
Characteristics	Appearance:	Superior	Durability: Superior
	Gloss losing resistance:	Superior	Stain Resistance: Superior
	Easy to maintain:	Superior	Easy to repair: Superior
	Solvent & Water:	Free	Formaldehyde: Free
	UV Rays Protection	Sunshield™	
Antimicrobial Protection ISO 22196 & ASTM G-21	Ultra Fresh (Ultra Fresh is a registered trademark of Thomson Research Associates.)		
Static Friction Coefficient ASTM D-2394-99	Slippery resistance coefficient more than 0.5		
Pure Genius® Smart Floor Technology	Air-Purifying Titanium Dioxide Photocatalytic Agent		
	NOX Removal:	Superior - 0.35lbs / 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:	Available in option on all products	
Technology:	Contains ACTIO2™ licensed by Välinge Photocatalytic AB		

**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**

FSC®	Available on demand
LEED	Qualifies for LEED credits projects - Please refer to Eco-declaration EV15-1067-01 and EV15-1067-02
CARB 93120 Phase II	Compliant
Lacey Act	Compliant

More details on the back

Constructions				
<b>Solid Construction</b>				
Edges	Micro-V on all 4 sides			
Joint	Tongue and groove			
Fabrication	Made in Canada (Quebec)			
Relative Humidity	35% - 55%			
Widths	3 1/4" (82.5 mm), 4 1/4" (108 mm)			
Length	Random-Lengths	Min. 12", Avg. 33", Max. 72" (Min. 305 mm, Avg. 838 mm, Max. 1,829 mm)		
Thickness	Total	3/4" (19 mm)		
Installation	Levels:	Main and upper floors	Methods:	Nailed or stapled
	Subfloors:	Plywood, 3/4" OSB subfloor	Radiant Heat:	Not compatible
Available Moldings	Round Stair Nosing:	84" L x 4" W x 3/4" H (2,133 mm L x 101.6 mm W x 19 mm H)	Reducer:	84" L x 2 1/4" W x 3/4" H (2,133 mm L x 57 mm W x 19 mm H)
	T-Molding:	84" L x 2" W x 3/4" H (2,133 mm L x 50.8 mm W x 19 mm H)	Threshold:	84" L x 2 1/8" W x 3/4" H (2,133 mm L x 53.98 mm W x 19 mm H)
	Quarter Round:	84" L x 3/4" W x 3/4" H (2,133 mm L x 19 mm W x 19 mm H)	<i>Please refer yourself to our Molding Guide for more information.</i>	
Packaging		3 1/4" (82.5 mm)	4 1/4" (108 mm)	
	Coverage per box	20 ft <sup>2</sup> (1.86 m <sup>2</sup> )	17 ft <sup>2</sup> (1.58 m <sup>2</sup> )	
	Box size	80 5/32" L x 10 7/16" W x 3 5/16" H (2,036 mm L x 265 mm W x 84 mm H)	79 11/16" L x 9 7/32" W x 3 5/16" H (2,024 mm L x 234 mm W x 84 mm H)	
	Box weight	56 - 59 lbs (varies depending on species)	48 - 50 lbs (varies depending on species)	
	Box per pallet	52	52	
	Coverage per pallet	1,040 ft <sup>2</sup> (96.62 m <sup>2</sup> )	884 ft <sup>2</sup> (82.13 m <sup>2</sup> )	
	Pallet size	~84" L x ~48" W x ~48" H (~2,133.6 mm L x ~1,219.2 mm W x ~1,219.2 mm H)		
<b>NextStep - Engineered Construction</b>				
Edges	Micro-V on all 4 sides			
Joint	Tongue and groove			
Fabrication	Made in Canada (Quebec)			
Relative Humidity	35% - 65%			
Widths	3 1/4" (82.5 mm)		5 3/16" (132 mm)	
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)
Thickness	Total	7/16" (11 mm)		
	Wear Layer	1/8" (3.2 mm) dry solid sawn		
	Bottom Layer	3/10" (7.8 mm) Douglas fir plywood 100% sourced from North American forests		
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
Available Moldings	Round Stair Nosing:	84" L x 3 1/8" W x 7/16" H (2,133 mm L x 79 mm W x 11 mm H)	Reducer:	84" L x 2" W x 7/16" H (2,133 mm L x 51 mm W x 11 mm H)
	T-Molding:	84" L x 2" W x 3/4" H (2,133 mm L x 50.8 mm W x 19 mm H)	Threshold:	84" L x 2 1/8" W x 3/4" H (2,133 mm L x 53.98 mm W x 19 mm H)
	Quarter Round:	84" L x 3/4" W x 3/4" H (2,133 mm L x 19 mm W x 19 mm H)	<i>Please refer to our Molding Guide for more information.</i>	
Packaging		3 1/4" (82.5 mm)	5 3/16" (132 mm)	
	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> )	
	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" W x 4 11/16" H (1,218 mm L x 284 mm W x 119 mm H)	
	Box weight	43 - 56 lbs (varies depending on species)	53 - 67 lbs (varies depending on species)	
	Box per pallet	32	32	
	Coverage per pallet	1,001 ft <sup>2</sup> (93.05 m <sup>2</sup> )	1,075.2 ft <sup>2</sup> (99.89 m <sup>2</sup> )	
	Pallet size	48" L x 46" W x 48" H (1,219.2 mm L x 1,168.4 mm W x 1,219.2 mm H)		