



Commercial Specifications

Backed by an eco-conscious, family-owned mill with years of hardwood manufacturing experience. This collection combines craftsmanship and advanced technology to offer you maximum personalization in a wide variety of dimensions and tough-as-nails finish options..

COMPOSITION*

Each engineered hardwood plank boasts a strong birch plywood construction and a European oak plank top layer glued together with E1/CARB2 compliant adhesive.

STANDARD FORMAT DIMENSIONS

Total thickness (mm)	15 mm. 16 mm. 19 mm
Top Layer thickness (mm)	4 mm (nominal)
Construction format	2 or 3 layers
Construction (mm)	4+11 - 4+8+4 - 4+11+4
Length (ft)	3' - 4' - 5' - 6' - 7' - 8' - 9' - 10'
Width (in)	5" - 7.5" - 9.75"
Color options	44 standard

XXL FORMAT DIMENSIONS

Total thickness (mm)	19 mm
Top Layer thickness (mm)	4 mm (nominal)
Construction format	3 layers
Construction (mm)	4+11+4
Length (ft)	7' - 8' - 9' - 10' - 11' - 12' - 13' - 14' - 15'
Width (in)	7.5" - 10" - 12" - 14" - 16" - 17.5"
Color options	44 standard

HERRINGBONE DIMENSIONS

Total thickness (mm)	15 mm. 16 mm. 19 mm
Top Layer thickness (mm)	4 mm (nominal)
Construction format	2 or 3 layers
Construction (mm)	4+11 - 4+8+4 - 4+11+4
Width (in)	3.75" - 5"
Lengths (in) for 3.75"w	18.75" - 22.15" - 37.5"
Lengths (in) for 5"w	20" - 30" - 40"
Color options	44 standard

CHEVRON DIMENSIONS

Total thickness (mm)	15 mm. 16 mm. 19 mm
Top Layer thickness (mm)	4 mm (nominal)
Construction format	2 or 3 layers
Construction (mm)	4+11 - 4+8+4 - 4+11+4
Width (in)	5" - 7.5"
Lengths (in) for 5"w. 45°	21 3/4" - 25 3/4" - 30'
Lengths (in) for 5"w. 60°	26" - 30" - 34"
Lengths (in) for 5"w. 90°	3' - 4' - 5'
Lengths (in) for 7.5"w. 90°	4' - 5' - 6'
Color options	44 standard

HEAT-TREATED DIMENSIONS

Total thickness (mm)	15 mm. 16 mm. 19 mm
Top Layer thickness (mm)	4 mm (nominal)
Construction format	2 or 3 layers
Construction (mm)	4+11 - 4+8+4 - 4+11+4
Length (ft)	3' - 4' - 5' - 6' - 7' - 8'
Width (in)	9"
Color options	12 standard
Optional patterns	Herringbone. chevron

RIFT & QUARTERED DIMENSIONS

Total thickness (mm)	15 mm. 16 mm. 19 mm
Top Layer thickness (mm)	4 mm (nominal)
Construction format	2 or 3 layers
Construction (mm)	4+11 - 4+8+4 - 4+11+4
Length (ft)	3' - 4' - 5' - 6' - 7' - 8' - 9' - 10'
Width (in)	5" - 7.5" - 9.75"
Color options	6 standard
Optional patterns	Chevron

GRADE OPTIONS

	Prime	Prime B	Natural AB	Natural ABC	Rustic	Rustic Plus
Knots	Rare (max .4")	Few (max .75")	Filled (max 1.1")	Filled (max 2")	Filled (max 2")	Any size
Cracks	None	None	None	Few	Yes	Yes
Sapwood	No	No	No	No	No	No

COLOR VARIATION

Reactive stains produce unique and rich tones by interacting with the natural tannins in wood. This inherent process leads to color variations in each plank, as their individual tannin levels contribute to the distinct outcome.

ESSENTIAL PROPERTIES

Finish	Titanium
Formaldehyde emission	E0 - CARB2 compliant
Impact resistance	Ø medium of deep 8.59 mm
Dimensional stability	Movement \leq .29%
Thermal conductivity	0.14W/moK
Fire Reaction	Cfl-S1
Noise & impact isolation	Δ Lw: 17 dB
Profile	Tongue & Groove, beveled 2 sides
Warranty & Maintenance	www.hauteplank.com
Lead time	12-16 weeks
VOC	NO ADDED UREA FORMALDEHYDE

As a natural wood product, Haute Plank engineered hardwood does not require VOC certification, which is primarily used for synthetic materials. However, our finishes are VOC certified. Please contact us for a copy of our certification.

* Product Components

Composition	2 Layers	
Veneer	<ul style="list-style-type: none"> Moisture Content 6-8% Type: Sawn. sanded 2 sides 80 grit Thickness 4.0 mm 	<ul style="list-style-type: none"> Tolerance +0.1mm – 0.3mm Lengths 3'-10' European White Oak
Plywood	<ul style="list-style-type: none"> Moisture Content 7-10% Type 1 Water and Boil Proof Grade: Baltic Birch CP//CP or better 7 or 9 ply 	<ul style="list-style-type: none"> Thickness 8.7mm or 11.7mm sanded Tolerance: +0.1mm – 0.5mm
Equalization	<ul style="list-style-type: none"> Difference veneer and plywood .moisture +/-3.0% 	
Glue	<ul style="list-style-type: none"> EPI adhesive system Type D4 	

Dimensional Tolerances

Length	Nominal	Actual	Tolerance
Random 2'-10'	<ul style="list-style-type: none"> .2' .3' .4' .5' .6' .7' .8' .9' .10' 	<ul style="list-style-type: none"> .23.62" - (600 mm) .35.43" - (900 mm) .4' (47.24") - (1200 mm) .5' (59.06") - (1500 mm) .6' (70.87") - (1800 mm) .7' (82.68") - (2100 mm) .8' (94.49") - (2400 mm) .9' (106.30") - (2700 mm) .10' (118.11") - (3000 mm) 	<ul style="list-style-type: none"> All N/A
Width 3.75"-10"	<ul style="list-style-type: none"> .3.75" .5" .5.5" .7.5" .9" .10" 	<ul style="list-style-type: none"> .3.74" - (95 mm) .4.92" - (125 mm) .5.51" - (140 mm) .7.48" - (190 mm) .9.06" - (230 mm) .9.84" - (250 mm) 	<ul style="list-style-type: none"> All ±0.25 mm (0.10")
Thickness t:	<ul style="list-style-type: none"> 2L (5/8") 	<ul style="list-style-type: none"> 15.50 mm 	<ul style="list-style-type: none"> ±0.25 mm (0.10")
Squareness:	<ul style="list-style-type: none"> 0.20 mm (0.008") per 25mm (1") of width 		
Opening between Planks (Gap)	<ul style="list-style-type: none"> Max. 0.20 mm (0.008") 		
Cup/warp	<ul style="list-style-type: none"> Measuring from the bottom face of the plank to the floor surface. Max. 0.25% across the width of a board. 	<ul style="list-style-type: none"> Max. 0.5% Concave and Max. 2.0% Convex along the length of a board. 	
Edge Straightness	<ul style="list-style-type: none"> Max. 0.025% (0.7 mm (.028") on 1200 mm (47.25") length) 		
Height Difference Hmax:	<ul style="list-style-type: none"> Max 0.3 mm (0.012") 		

Microbevel:	<ul style="list-style-type: none"> • Square Edge / Microbevel / Bevel / Maxibevel • Max 3 mm (0.12") • Regular Microbevel 0.25mm (0.10")
Tongue Thickness:	<ul style="list-style-type: none"> • +0/-0.2 mm (0.008")
Groove Width:	<ul style="list-style-type: none"> • -0/+0.2 mm (0.008")

Visual and Surface Tolerances

Surface finish	<ul style="list-style-type: none"> • Sanded 180 grit. Surface chatter/belt marks not allowed
Tear out/Chip out/ Surface defect	<ul style="list-style-type: none"> • Not visible from 1.5m (60") distance viewing

Finish Specifications

Surface finish	Bona UV cured polyurethane anti-scratch Degree Gloss Level +/- 5 Degrees	
Applicable Standards	<p>Surface burning (ASTM-E-84)</p> <ul style="list-style-type: none"> • FSI (Flame spread index) <75. In general, Class B. • SD (Smoke development) less than 450 (depending on the finish) <p>Critical radiant flux (ASTM-E-648-94a)</p> <ul style="list-style-type: none"> • 0.41 watt/cm2 (depending on the finish) • R value: R 0.44 to 0.51 (depending on the finish) <p>Formaldehyde emission (ASTM-E-1333-02)</p> <ul style="list-style-type: none"> • Less than 0.01 ppm <p>Total VOC (ASTM-D-6670-01)</p> <ul style="list-style-type: none"> • 0.011 ppm (depends on finishing; FloorScore®) <p>Abrasion resistance test (UNE 48-250-92 = ASTM D4060-14)</p> <ul style="list-style-type: none"> • Wear Index (I) 10-50mg (CS10-500 g-ref 500-1000 cycles) <p>(UNE EN 1534 - Brinell hardness)(ASTM A-143, ASTM-1037- Janka hardness test)</p> <ul style="list-style-type: none"> • HB 2-3 (half hard) • >800 (Janka hardness test) <p>Wood flooring, paneling, and cladding - resistance to chemical agents (UNE-EN 13442; UNE 48-02 7 (related to ASTM D1308-02)</p> <ul style="list-style-type: none"> • Between evaluation 3-5 (no surface changes to light changes) 	<p>Scratch resistance test (UNE-EN 438-2, UNE 56875, UNE-EN 15186 (related to ASTM D7187 - 15))</p> <ul style="list-style-type: none"> • Between grade 0-3 <p>Cross-cut resistance test (UNE-EN ISO 2409 (ASTM D3359 - 17 similar in content but not technically equivalent))</p> <ul style="list-style-type: none"> • Between category 0-3 <p>Skid slippery test - British Pendulum test (UNE-CEN/TS 15676; UNE-ENV 12633* (related to ASTM E303 - 93))</p> <ul style="list-style-type: none"> • SRV >45 <p>Impact resistance test (UNE-EN 13696)</p> <ul style="list-style-type: none"> • 50-70 cm <p>Bonding quality test (UNE-EN 314-1; UNE-EN 314-2; UNE-EN 326-1 (related to ASTM: D3931-08; ASTM:D5266-13; ASTM: D3498-03)</p> <ul style="list-style-type: none"> • Fv>1 <p>Physical and mechanical properties</p> <ul style="list-style-type: none"> • Resistance to static flexion: 105-107 N/mm2 • Elasticity module: 11.5-12.3 kN/mm2 • Compressive strength: 51.3-58 N/mm2 • Density (REF12%) 710-750 kg/m3.