



### The Definitive Choice for Natural Beauty

When you purchase your engineered hardwood flooring from BuildStarr, you simply can't go wrong. The collection features America's most-loved species in colors and widths designed to complement any decorating style. And because each plank is crafted from premium lumber and backed by our promise of superior quality, you know you are getting the best.

Not all hardwood floors are the same. The BuildStarr collection features only select and premium grade hardwoods prized for denser, more stable wood with a tighter grain and rich color. More stable grades of hardwood also mean fewer streaks, knots and flaws, so you get a consistently beautiful floor.

<b>Style</b>	Engineered Wood Flooring
<b>Species</b>	Oak
<b>Description</b>	Premium Engineered Oak Flooring
<b>Model No.</b>	EF1905
<b>Construction</b>	5-9 Ply Multilayer Plywood Core
<b>Top Layer Oak Thickness</b>	1.2mm, 2mm and 3mm
<b>Overall Thickness</b>	1/2", 9/16", and 3/4" (18mm)
<b>Plank Size (L x W)</b>	16" - 48" RL (400mm - 1200mm) x 5" Plank
<b>Grade</b>	ABCD
<b>Profile</b>	Tongue and Groove
<b>Edge Detail</b>	Micro Bevel
<b>Finish</b>	PPG (UV/EB Coating)
<b>Installation Method</b>	Nail Down or Glue Down
<b>Commercial Warranty</b>	25 year structural warranty; 10 year warranty on finish

### EF1905 QUALITY AND PERFORMANCE METRICS

Critical-To-Quality	Specification	Tolerance +/-
Moisture Content	%	6 - 10%
Crook (along width)	0.15% Cupping 0.20% Bowing	Cupping Maximum allowed 0.15% of board width/ Bowing Maximum allowed 0.25% of board width
Bow (along length)	Max 12 mm	Maximum allowed 1% of board length
End Lift (along length)	Max 6 mm	Maximum allowed 0.5% of board length
Overwood	Max 0.20 mm	≤ 0.20mm for Smooth and wire brushed. Not applicable for Hand-scraped

Product Performance Requirements		
Performance Tests	Test Reference	Specifications
A. Cross Hatch Adhesion	ASTM D 3359	Minimum 4B rating (Applied on flat area)
B. Taber Abrasion- <u>Residential</u>	Modified ASTM D 4060 (S-33)	Flat > 500 cycles ; Wire brushed and Hand-scraped > 200 cycles
C. Coefficient of Friction	ASTM D 2394	>0.5
D. Bond Line Test	GB/T18103/2000	Passed Chinese National Standard
E. Formaldehyde Emissions	ASTM E 13333-96 (2002) or latest edition	California Code of Regulations Title 17, 93120 - Airborne Toxic Control Measure to reduce Formaldehyde emissions from composite wood products. (P2) 1-1-2010 0.05 ppm   Shall be lower than 0.05 ppm   Preferable emissions rate to be below 0.0073 ppm