

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   |
| Widths   | 3 1/4" (82.5 mm) - Up to 4'   |   | 5 3/16" (132 mm) - Up to 4' (Black Walnut only)                 |
| Length - Multi-Lengths                               | 13", 18 1/2", 28", 47 3/16"   |   | 13", 18 1/2", 28", 33 1/2", 47 3/16"                            |
|  | (330 mm, 470 mm, 711 mm, 1,199 mm)  |   | (330 mm, 470 mm, 711 mm, 851 mm, 1,199 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.<br>*With occasional presence of filled knots with larger dimensions. This does not affect the nature of the grade for Santos Mahogany and Brazilian Cherry.<br><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   |   |   |
| 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 ft² - 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/cm² (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  | 3 1/4" (82.5 mm) - Up to 4'   | 5 3/16" (132 mm) - Up to 4'   | 5 3/16" (132 mm) - Up to 6'                                     |
| Coverage per box                                     | 31.3 ft² (2.91 m²)  | 33.6 ft² (3.12 m²)  | 30.3 ft² (2.79 m²)  |
| Box size   | 47 3/4" L x 10 35/64" W x 4 11/16" H  | 47 61/64" L x 11 3/16" L x 4 11/16" H   | 70.71" L x 10.87" W x 2.72" H                                   |
|  | (1,213 mm L x 268 mm W x 119 mm H)  | (1,218 mm L x 284 mm L x 119 mm 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 ft² (93.05 m²)  | 1,075.2 ft² (99.89 m²)  | 1,454.4 ft² (135.11 m²)   |
| Pallet size  | 48" L x 42" W x 48" H   | 48" L x 46" L x 48" H   | 72" L x 36" W x 43.5" H   |
|  | (1,219.2 mm L x 1,066.8 mm W x 1,219.2 mm H)  | (1,219.2 mm L x 1,168.4 mm L x 1,219.2 mm 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                        |   |   |   |

