Janka Hardness is the standard test used to measure the pounds of force it takes to drive a .44" diameter steel ball halfway into the wood. The higher the number, the harder the species is to indent. Most of these numbers were taken from the U.S. Forest Products lab. Measured at 12% moisture content. (Dry)

North American- Domestic Hardwood Species

Flooring Trade Name	Scientific Classification	Janka Hardness
Alder, red	Alnus rubra	590
Ash, White	Fraxinus americana	1320
Beech, American	Fagus grandifolia	1300
Birch, Sweet	Betula lenta	1470
Birch, Paper	Betula papyrifera	910
Cedar, Incense	Libocedrus decurrens	470
Cedar, Port Orford	Chamaecyparis lawsoniana	630
Cedar, Western Red	Thuja plicata	350
Cherry, N. American / Black	Prunus serotina	950
Chestnut, American	Castanea dentata	540
Douglas Fir, Western Interior	Pseudotsuga menziesii	660
Hemlock, Western	Tsuga heterophylla	540
Hickory / Pecan	Carya illinoensis	1820
Locust, Black	Robinia psuedoacacia	1700
Maple, Sugar	Acer saccharum	1450
Maple, Black	Acer nigrum	1,180
Maple, Oregon Bigleaf	Acer macrophyllum	850
Mesquite	Prosopis spp.	2345
Oak, Northern Red	Quercus rubra	1290
Oak, White	Quercus alba	1360
Pine, Northern / Eastern White	Pinus strobus	380
Pine, So.Minor (Shortleaf / Loblolly)	Pinus echinata / taeda	690
Pine, Southern Major (longleaf)	Pinus palustris	870
Pine, Idaho White	Pinus monitcola	420
Redwood	Sequoia sempervirens	420
Walnut, N. American / Black	Juglans, nigra	1010

Hardwood Species Imported to the U.S.

Flooring Trade Name	Scientific Classification	Janka Hardness
Afrormosia (Africa)	Pericopsis elata	1560
Albarco (S. America)	Cariniana spp.	1020
Andiroba (S. America)	Carapa guianensis	1340
Angelim Pedra (S. America)	Hymenolobium excelsum	1720
Angelim Vermelho (S. America)	Dinizia excelsa	2800
Angelin (Africa)	Andira inermis	1750
Angelique (S. America)	Dicorynia guianensis	1290
Ash, Silky	Couratari, spp	1500
Ash, Victorian (Oak, Tasmanian)	Eucalyptus, delegatensis	1010
Avodire (Africa)	Turraeanthus africanus	1080
Azobe (Africa)	Lophira alata	3350
Bamboo, natural (Asia) Bamboo, carbonized	Phyllostachys, vivax	1380 1180
Banak (S. America)	Virola spp.	510
Beech, European	Fagus slyvatica	1300
Benge (Africa)	Guibortia arnoldiana	1750
Bloodwood / Muirapiranga (S. America)	Brosimum paraense	2400
Bolivian Cherry, Bulletwood (S.America)	Manilkara bidentata	3190
Brazilian Cherry, Jatoba, Courbaril (S. America)	Hymenaea courbaril	2350
Brazilian Teak, Braz. Chestnut, Cumaru (S. America)	Dipteryx, odorata	3200
Brazilian Walnut (S. America)	Juglans, nigra	3680
Brushbox, Northern	Tristania, spp	2045
Bubinga (Africa)	Guibourtia, demeusei	2690
Bulletwood / Massaranduba (S. America)	Manilkara bidentata	3190
Cabrueva / Santos Mahogany (S. America)	Myroxylon balsamum	2200
Cambara, Cedrinho (S. America)	Erisma uncinatum	870
Cativo (S.America)	Prioria copaifera	630
Cherry, Caribbean (Mayan/Aztec)	Lonchocarpus, castilloi	3100
Cherry, Chilean	Nothofagus, dombeyi	990
Chestnut	Castanea, sativa	540

Hardwood Species Imported to the U.S.

Flooring Trade Name	Scientific Classification	Janka Hardness
Chestnut, Southern	Sweetia, panamensis	2670
Cocobolo		1136
Copaiba, Bacana (S. America)	Copaifera spp.	1390
Cork	Quercus, suber	380
Curupau (S. America)	Anadenanthera colubrina	3840
Curupixa, Abiu (S. America)	Micropholis venulosa	1900
Cypress, Australian	Callitrus, glauca	1375
Cypress, Mexican (Africa)	Cupressus lustianica	460
Degame (S. America)	Calcycphyllum candidissimum	1940
Determa (S. America)	Ocotea rubra	660
Doussie	Afzelia, spp	1770
Ebony		3220
Garapa, Grapia (S. America)	Apuleia leiocarpa	1800
Goncalo alves (S. America)	Astronium graveolens	2160
Greenheart (S. America)	Chlorocardium rodiei	2350
Guaraja, Moabi (S. America)	Baillonella toxisperma	1800
Gum, spotted	Eucalyptus, maculata	2023
Gum, Sydney Blue	Eucalyptus, saligna	2025
Hura (S. America)	Hura crepitans	550
Ilomba (Africa)	Pycanthus angloensis	610
Ipe, Lapacho, Tajibo (S. America)	Tabebuia spp.	3060
Iroko / Kambala (Africa)	Chloraphora, excelsa	1260
Itauba (S. America)	Mezilaurus itauba	2900

Hardwood Species Imported to the U.S.

Flooring Trade Name	Scientific Classification	Janka Hardness
Jarrah (Asia)	Eucalyptus, marginata	1910
Kaneelhart (S. America)	Licaria spp.	2900
Kapur (Asia)	Dryobalanops spp.	1230
Karri (Asia)	Eucalyptus diversicolor	2040
Kempas (Asia)	Koompassia, malaccensis	1710
Keruing (Asia)	Dipterocarpus spp.	1270
Kurupayra (S. America)	Anadenanthera macrocarpa	3840
Lacewood	Roupala, brasiliensis	840
Lignumvitae (S. America)	Guaiacum spp.	4500
Lyptus, pink (for furniture & cabinets)	Eucalyptus (hybrid)	1422
Lyptus, red (for flooring)	Eucalyptus (hybrid)	1796
Macawood (S. America)	Platymiscium spp.	3150
Mahogany, African (Africa)	Khaya spp.	830
Mahogany, true / Honduran (S. America)	Swietenia macrophylla	800
Mahogany, Red / Turpentine		2697
Mahogany, Royal	Pithecellobium arboreum	1400
Mahogany, Santos / Cabrueva / Bocote	Myroxylon, balsamum	2200
Manbarklak (S. America)	Eschweilera spp.	3480
Manni (S. America)	Symphonia globulifera	1120
Maple, Patagonian (Brazilian)	Balfourodendron, riedelianum Acer, saccharum	1500
Marishballi (S. America)	Lincania spp.	3570
Merbau (Asia)	Intsia, spp	1500

Hardwood Species Imported to the U.S.

Flooring Trade Name	Scientific Classification	Janka Hardness
Mersawa (Africa)	Anisoptera spp.	1290
Monkey Wood (S. America)	Platymiscium pinnatum	3010
Mora (S. America)	Mora spp.	2300
Oak (S. America)	Quercus spp.	2500
Opepe (Africa)	Nauclea diderrichii	1630
Padauk, African	Pterocarpus, soyauxii	1725
Para-angelim (S. America)	Hymenolobium excelsum	1720
Parana-pine (S. America)	Araucaria augustifolia	780
Peroba de campos (S. America)	Paratecoma peroba	1600
Peroba rosa (S. America)	Aspidosperma spp.	1730
Pilon (S. America)	Hyeronima spp.	1700
Pine, Caribbean Heart (S. America)	Pinus caribaea	1240
Pine, ocote (S. America)	Pinus oocarpa	910
Pine, radiate (Asia)	Pinus radiata	750
Piquia (S. America)	Caryocar spp.	1720
Primavera (S. America)	Tabebuia donnell-smithii	660
Purpleheart (S. America)	Peltogyne spp	1860
Ramin (Asia)	Gonystylus bancanus	1300
Robe (S. America)	Tabebuia spp.	960
Rosewood, Brazilian (S. American)	Dalbergia nigra	2720
Rosewood, Bolivian	Machaerium sclieroxylon	1780
Rosewood, Caribbean	Metopium browneii	2300
Rosewood, Honduran	Dalbergia Stevensonii	2200

Hardwood Species Imported to the U.S.

Flooring Trade Name	Scientific Classification	Janka Hardness
Rosewood, Indian (Asia)	Dalbergia latifolia	3170
Rosewood, Patagonian	Piptadenia macrocarpa	2800
Rosewood, Tiete	Guibourtia chodatianal	2800
Sande (S. America)	Brosimum spp	900
Santa Maria (S. America)	Calophyllum brasiliense	1150
Sapele (Africa)	Entandrophragma cylindricum	1510
Sakura		995
Sepetir (Asia)	Psuedosindora palustris	1410
Shedua/Mutenye	Guibourtia arnoldiana	1650
Shorea (Asia)	Shorea spp., bullau group	1780
Shorea, lauan (Asia)	Dark red meranti	780
Shorea, lauan (Asia)	Light red meranti	460
Shorea, lauan (Asia)	White meranti	1140
Shorea, lauan (Asia)	Yellow meranti	770
Spanish cedar (S. America)	Cedrela odorata	600
Sucupira (S. America)	Diplotropis pupurea	2140
Tamarind	Dialium, guianense	3000
Tarara, Canary Wood (S. America)	Centrolobium microchaete	3200
Tauari / Brazilian Oak	Couratari oblongifolia	1500
Teak, True (Asia)	Tectona, grandis	1000
Tigerwood / Muiracatiara	Astronium lecointei	2160
Timborana	Piptadenia, suaveolens	1570
Walnut, Brazilian	Tabebuia, spp	3680

Hardwood Species Imported to the U.S.

Flooring Trade Name	Scientific Classification	Janka Hardness
Wallaba (S. America)	Eperua spp.	2040
Walnut, Caribbean (Mayan/Aztec)	Lysiloma, bahamensis	1400
Walnut, Patagonian	Tabebuia, heptaphylla	2800
Walnut, Peruvian	Juglans, neotropica	1080
Wenge, Red Pine	Milletia, laurentii	1630
Zebrawood	Microberlina, brazzavillensis	1575
Tamarind	Dialium, guianense	3000
Tarara, Canary Wood (S. America)	Centrolobium microchaete	3200
Tauari / Brazilian Oak	Couratari oblongifolia	1500
Teak, True (Asia)	Tectona, grandis	1000
Tigerwood / Muiracatiara	Astronium lecointei	2160
Timborana	Piptadenia, suaveolens	1570
Walnut, Brazilian	Tabebuia, spp	3680
Wallaba (S. America)	Eperua spp.	2040
Walnut, Caribbean (Mayan/Aztec)	Lysiloma, bahamensis	1400
Walnut, Patagonian	Tabebuia, heptaphylla	2800
Walnut, Peruvian	Juglans, neotropica	1080
Wenge, Red Pine	Milletia, laurentii	1630
Zebrawood	Microberlina, brazzavillensis	1575