



The Janka **Hardness** is a test which measures the pounds of force it takes to drive a .44" diameter steel ball 1/2 its depth into wood. These numbers are taken from various publications but principally are from the U.S. Forest Products lab. The higher the number, the harder the species.

Domestic Species - to North America		
Flooring Trade Name	Botanical Name	Hardness - Janka
Ash, White	Fraxinus, excelsior	1320
Cherry, N. American	Prunus, serotina	950
Hickory/Pecan	Carya, spp	1820
Maple, N. American	Acer, saccharum	1450
Oak, Red	Quercus, rubra	1260
Oak, White	Quercus, alba	1360
Walnut, N. American	Juglans, nigra	1010

Imported Species - to North America		
Flooring Trade Name	Botanical Name	Hardness - Janka
Afromosia	Pericopsis, elata	1560
Amendoim	Pterogyne, nitens	1340
Angelique	Dicorynia, guianensis	1290
Ash, Silky	Couratari, spp	1460
Ash, Victorian (Oak, Tasmanian)	Eucalyptus, delegatensis	1010
Bamboo	Phyllostachys Bambusoides	1450
Strand Woven Bamboo	Phyllostachys Bambusoides	3100
Beech, European	Fagus, slyvatica	1300
Bloodwood	Brosimum, rubescens	2900
Brushbox, Northern	Tristania, spp	2045
Bubinga	Guibourtia, demeusei	1980
Cherry, Bolivian	Manilkara, bidentata	3190
Cherry, Brazilian	Hymenaea, courbaril	2820
Cherry, Caribbean (Mayan/Aztec)	Lonchocarpus, castilloi	3100
Flooring Trade Name	Botanical Name	Hardness - Janka
Cherry, Chilean	Nothofagus, dombeyi	990
Chestnut	Castanea, sativa	540
Chestnut, Southern	Sweetia, panamensis	2670
Cypress, Australian	Callitrus, glauca	1375
Doussie	Afzelia, spp	1770
Gum, Sydney Blue	Eucalyptus, saligna	2025
Iroko/Kambala	Chlorophora, excelsa	1260
Jarrah	Eucalyptus, marginata	1915
Kempas	Koompassia, malaccensis	1710
Flooring Trade Name	Botanical Name	Hardness - Janka
Lacewood	Roupala, brasiliensis	840
Mahogany, Honduran	Swietenia, macrophylla	800
Mahogany, Royal	Pithecellobium, arboreum	1400

Mahogany, Santos	Myroxylon, balsamum	2200
Maple, Patagonian (Brazilian)	Balfourodendron, riedelianum	1500
Merbau	Intsia, spp	1925
Padauk, African	Pterocarpus, soyauxii	1725
Pine, Heart	Pinus, caribaea	910
Flooring Trade Name	Botanical Name	Hardness - Janka
Purpleheart	Peltogyne, spp	2090
Rosewood, Bolivian	Machaerium, sclerioxylon	1780
Rosewood, Caribbean	Metopium, browneii	2300
Rosewood, Honduran	Dalbergia, Stevensonii	2200
Rosewood, Patagonian	Piptadenia, macrocarpa	2800
Rosewood, Tiete	Guibourtia, chodatiana	2800
Shedua/Mutenye	Guibourtia, arnoldiana	1650
Tamarind	Dialium, guianense	3000
Teak, Brazilian	Dipteryx, odorata	3540
Flooring Trade Name	Botanical Name	Hardness - Janka
Teak, True	Tectona, grandis	1155
Tigerwood	Astronium, spp	2160
Timborana	Piptadenia, suaveolens	1570
Walnut, Brazilian	Tabebuia, spp	3680
Walnut, Caribbean (Mayan/Aztec)	Lysiloma, bahamensis	1400
Walnut, Patagonian	Tabebuia, heptaphylla	2800
Walnut, Peruvian	Juglans, neotropica	1080
Wenge	Milletia, laurentii	1630
Zebrawood	Microberlina, brazzavillensis	1575