

Hardness Test Results & Janka Ball Ratings

Teragren tests all of its products with a U.S. independent laboratory. Hardness in bamboo flooring is determined by many factors. Teragren specifies the Moso species of bamboo (Teragren Optimum 5.5™ Moso bamboo) harvested at maturity between 5-1/2 to 6 years to ensure consistent hardness ratings and clarity of color.

The following chart illustrates the varying degrees of hardness in other hardwoods as well as Teragren bamboo. The Janka Ball test measures the force required to embed a 0.444" steel ball to half its diameter in wood. Accepted industry wide, this test reflects a particular specie's ability to withstand denting and wear. It is also a good indicator of its ease or difficulty to nail.

<i>Hardwood Species</i>	Janka Ball Rating Avg.
Brazilian Walnut	3680
Brazilian Teak	3540
Brazilian Rosewood	3000
Brazilian Cherry (Jatoba)	2820
Teragren "Synergy" Bamboo	2426
Caribbean Rosewood	2300
Santos Mahogany	2200
Asian Rosewood	2170
Merbau	1925
Teragren "Signature" Bamboo	1921
Teragren UF Bamboo	1822
Hickory	1820
Pecan	1820
Teragren "All Bamboo" STUDIO	1569
Brazilian Maple	1500
North American Maple	1450
Teragren "STUDIO" Bamboo	1416
White Oak	1360
White Ash	1320
Teragren "Craftsman" Bamboo	1307
Beech	1300
Red Oak	1260
Yellow Birch	1260
True Teak	1155
North American Walnut	1010
North American Cherry	950
Honduran Mahogany	800
Douglas Fir	650