TIMBER HOLDINGS USA

Timber Holdings USA.
414-445-8989
● www.ironwoods.com

Certificate of Compliance
Technical Data - Iron Woods® Ipe

We hereby certify that Iron woods® Ipe has been tested per ASTM Standards as indicated below.

Features	Iron Woods® Ipe
Composition	Naturally Durable Hardwood Untreated
Species	Tabebuia spp. (Lapacho Group)
Surface	Dressed / Profiled / Roughsawn
Color	Natural
Installation	Stainless Steel Fasteners
Max overhand beyond joist	6"
Weight per net bf AD 18%+ (avg)	5.5 - 6 lbs
Weight per net bf KD 18% - (avg)	5 - 5.5 lbs
Lengths	To 20'

Property Description	ASTM Standard	Iron Woods® Ipe
Modules of Elasticity	ASTM D-143	3145000 psi
Bending Strength	ASTM D-143	22.475 psi
Compression Parallel to Grain	ASTM D-143	13,140 psi
Compression Perpendicular to Grain	ASTM D-143	3,595 psi
Shear Parallel to Grain	ASTM D-143	2,290 psi
Screw Pull Out		Avg. 1102 lbs Max Load
Coefficient of Friction - Leather	ASTM C1028-89	Dry - .55 FP / Wet .79 FP (ADA Compliant)
Coefficient of Friction - Neolite	ASTM C1028-89	Dry - .73 FP / Wet .69 FP (ADA Compliant)
Surface Burning	ASTM E-84 (1989)	NFPA Class A, UBC Class 1
Flame Spread (20 minutes)	ASTM E-84 (1989)	0
Flame Spread (10 minutes)	ASTM E-84 (1989)	5
Smoke Developed (10 minutes)	ASTM E-84 (1989)	3
Fuel Contribution (10 minutes)	ASTM E-84 (1989)	0
Acute Inhalation	NYS Modified Pittsburg Protocol	LC 50 0f 63.60g.
Combustion Toxicity Test	NYSUFPBC, Art 15, Part 1120,9 NYCRR 1120	Pass (19.7g or greater)

Surface Burning	ASTM E84 (2007)	NFPA Class B
Calculated Flame Spread (10 minutes)	ASTM E84 (2007)	33.37
Flame Spread Index	ASTM E84 (2007)	35
Calculated Smoke Developed	ASTM E84 (2007)	273.3
Smoke Developed Index	ASTM E84 (2007)	250

City Of NY Dept. of Buildings	Fire Retardant Wood Code Sections 27-328	MEA # 220-01-M (Approved)
San Francisco Building Code	Code Section 1511.5 (rooftop decks)	(Approved)
CalFire Wildlife Urban Interface Areas	Code Section Chapter 7A (CSFM 12-7A-4)	(Approved)
Materials and Construction Methods	Exterior Wildlife Exposure: Decking	