



Certificate of Compliance

Technical Data - MRP Supports Cumaru

We hereby certify that MRP Supports Cumaru has been tested per ASTM Standards as indicated below.

Features	MRP Supports Cumaru
Composition	Naturally Durable Hardwood Untreated
Species	Dipteryx odorata
Surface	Dressed / Profiled / Rough Sawn
Color	Natural
Installation	Stainless Steel Fasteners
Max overhang beyond joist	6"
Weight per net bf AD 18%+ (avg.)	6 lbs.
Weight per net bf KD 18% - (avg.)	5.5 lbs.
Lengths	To 20'

Property Description	ASTM Standard	Iron Woods® Cumaru
Modules of Elasticity	ASTM D-143	3,030,000 psi - Dry
Bending Strength	ASTM D-143	27,270 psi - Dry
Compression Parallel to Grain	ASTM D-143	13,720 psi - Dry
Compression Perpendicular to Grain	ASTM D-143	3540 psi - Dry
Shear Parallel to Grain	ASTM D-143	NA
Screw Pull Out		NA
Coefficient of Friction - Dynamic	ANSI B101.1	.47
Coefficient of Friction - Static	ANSI B101.1	.69
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)	4
Fuel Contribution (10 minutes)	ASTM E-84 (1989)	0





Acute Inhalation Combustion Toxicity	NYS Modified Pittsburg Protocol	NA
Combustion Toxicity Test	NYSUFPBC, Art 15, Part 1120,9 NYCRR 1120	NA
Surface Burning	ASTM E84-16 / UL 723 (2016)	NFPA Class A, UBC Class 1
Surface Burning	ANSI/NFPA No. 255 / UBC No. 8-1	NFPA Class A, UBC Class 1
Calculated Flame Spread (10 minutes)	ASTM E84-16 (2016)	10
Calculated Smoke Developed	ASTM E84-16 (2016)	75

Additional Compliance Fire

City Of NY Dept. of Buildings	Fire Retardant Wood Code Sections 27-328	NA
San Francisco Building Code	Code Section 1511.5 (rooftop decks)	NA
CalFire Wildlife Urban Interface Areas	Code Section Chapter 7A (CSFM 12-7A-4)	NA
Materials and Construction Methods	Exterior Wildlife Exposure: Decking	
International Building Code	Fire Resistant Wood	(Compliant)
International Residential Code	Fire Resistant Wood	(Compliant)

Additional Compliance Technical

International Building Code	Naturally Durable Wood	(Class 1 / Compliant)
International Residential Code	Naturally Durable Wood	(Class 1 / Compliant)

This certificate of compliance is a continuing, irrevocable representation and warranty of compliance with MRP Supports Cumaru Technical requirements and may continue to be relied upon by its customers for each purchase of goods or services unless prior timely prior written notice is given to our customers that the goods or services MRP Supports proposes to sell to our customers do not comply with the MRP Supports Cumaru Technical Requirements. Such notice shall not be deemed to revoke or modify Certificates of Compliance previously provided by MRP Supports.

