

**EVALUATION CRITERIA FOR SUITABILITY OF WOOD SIDING SPECIES FOR USE WITH CLIMATE-SHIELD RAIN SCREEN SYSTEM**

Wood Species	Botanical name	Decay Resistance	Stability	Specific Gravity	MECHANICAL PROPERTIES			Class A Fire resistance	Fiber Strength @ 12% MC	FINISHING OPTIONS				Price Range	Approx Lead Time (weeks)
					Shrinkage Value % from Green to 12% MC					Weathers durably without recoating	Oil Finish	Stainable	Paintable		
					Radial	Tangential	Volumetric								
Mataverde Ipe *	Tabebuia spp	Exceptional	Very good	1.1	6.6	8	13.2	A	25,660	Yes	Yes	No	No	High	2 -4
Mataverde FSC Machiche *	Lonchocarpus castilloi	Exceptional	Good	0.89	3.9	8.2	13	A	25,200	Yes	Yes	No	No	High	2 -4
Mataverde FSC Santa Maria	Calophyllum brasiliense	Moderate	Very good	0.51	4.6	8	13.6	B	14,600	Yes	Yes	Yes	No	High	2 -4
Mataverde Garapa *	Apuleia leocarpus	High	Very good	0.82	6.5	10.1	15.9	B	18,530	Yes	Yes	Yes	No	Moderate	2 -4
Mataverde Cumaru *	Dipteryx odorata	Exceptional	Good	1.09	5.3	7.7	12.6	A	25,390	Yes	Yes	No	No	High	2 -4
Western Red Cedar	Thuja plicata	Moderate	Moderate	0.37	2.4	5	6.8	B	7,500	No	Yes	Yes	Yes	Moderate	4-6
VG Western Red Cedar	Thuja plicata	Moderate	Very good	0.37	2.4	5	6.8	B	7,500	No	Yes	Yes	Yes	High	4-6
Douglas Fir	Pseudotsuga menziesii	Moderate	Moderate	0.57	4.8	7.6	12.4	C	12,500	No	Yes	Yes	Yes	Moderate	4-6
Genuine Mahogany	Swietenia macrophylla	High	Very good	0.66	3	4.1	7.8	No	11,500	Yes	Yes	Yes	No	Very high	4-6
Teak	Tectona grandis	Exceptional	Very good	0.65	2.5	5.8	7	No	14,600	Yes	Yes	No	No	Very high	4-6
Cypress	Taxodium distichum	Moderate	Good	0.46	3.8	6.2	10.5	C	10,600	Yes	Yes	Yes	No	Moderate	4-6
Jatoba	Hymenaea courbaril	High	Good	0.91	4.2	8	12.1	A	22,510	No	Yes	No	No	High	4-6
Tigerwood	Goncalo alves	High	Good	1	4	7.6	10	No	18,400	Yes	Yes	No	No	High	4-6
Massaranduba	Manilkara bidentata	High	Moderate	1.06	6.4	9.3	16.9	No	29,690	Yes	Yes	No	No	Moderate	4-6
Spanish Cedar	Cedrela spp	High	Very good	0.47	4.2	6.3	10.3	No	11,640	Yes	Yes	Yes	Yes	High	4-6
Alaskan Yellow Cedar	Cupressus nootkatensis	High	Very good	0.5	2.8	6	9.2	B	11,100	Yes	Yes	Yes	No	High	4-6
Philippine mahogany	Shorea spp	Moderate	Poor	0.71	3.8	7.9	13.3	C	11,800	No	Yes	Yes	No	High	4-6
California Redwood	Sequoia sempervirens	Moderate	Very good	0.43	2.6	4.9	7	B	8,950	No	Yes	Yes	Yes	Very high	4-6
Yellow Pine	Pinus palustris	Moderate	Poor	0.59	5.1	7.5	12.2	C	13,700	No	Yes	Yes	Yes	Moderate	4-6
Black Locust	Robinia pseudoacacia	High	Moderate	0.82	4.6	7.2	10.2	No	19,400	No	Yes	Yes	No	High	4-6
Port Orford Cedar	Chamaecyparis lawsoniana	High	Good	0.47	4.6	6.9	10.1	B	12,290	No	Yes	Yes	Yes	High	4-6
Charred Cypress	Taxodium distichum	High	Very good	0.46	3.8	6.2	10.5	C	10,600	Yes	Yes	Yes	No	Very high	4-6
Charred Southern Pine	Pinus palustris	High	Moderate	0.59	5.1	7.5	12.2	C	14,500	Yes	Yes	Yes	No	Very high	4-6
Cambara	Erismia uncinatum	Moderate	Moderate	0.46	4.4	9.3	11	No	12,800	Yes	Yes	Yes	No	Moderate	8-16
Lyptus	Eucalyptus spp	High	Poor	0.85	7.7	11	18.7	No	16,200	Yes	Yes	Yes	No	High	8-16
Itauba	Mezilaurus navalium	High	Very good	0.7	2.3	6.7	12.1	No	16,707	Yes	Yes	Yes	No	Moderate	8-16
Louro preto	Cordia spp	High	Very good	0.85	4	7.4	11.6	No	16,590	No	Yes	Yes	No	Moderate	8-16
Purpleheart	Peltogyne spp	Exceptional	Very good	0.98	3.2	6.1	9.9	B	22,000	Yes	Yes	No	No	High	8-16

**NOTES:**

\* Mataverde Ipe, Machiche, Garapa and Cumaru siding is covered by a 25 year limited warranty against insects and decay

-All material ratings are based on kiln dried material at 12% Moisture Content- please contact your Mataverde representative for additional information.

-Many species listed above are available as FSC Certified. Please contact your Mataverde representative for additional information.

-If you have other wood species you are considering for your rain screen project- please contact your Mataverde representative for additional information.

Distribution Center Location	Service Area	Telephone #	Hours of Operation
Connecticut	Eastern US, Eastern Canada, Caribbean	(860) 444-7524	M-F 8-5 EST
California	Rockies and points west, Alaska, Hawaii	(707) 894-9387	M-F 8-4 PST