



TorZo Materials Panel Specifications

Property	Test Criteria	Indure	Orient	Durum	Parda	Tiikeri	Hemp	Blue Pine flooring	Denim	Striata (uninfused)	Striata (infused)	Balsa Natural	Balsa Fusion	RayFleck (uninfused)	RayFleck (infused)	Units
Thickness	ASTM D1037	1/2	1/2	5/8	1/2	5/8	3/8	5/8	1/2	3/4	3/4	11/16	11/16	3/4	5/8	inches
Density	ASTM D2395	78	72	72	76	62	70	49	73	38	68	26	34	41	52	Lbs./ft ³
Internal Bond	ASTM D1037	887	498	325	735	112	92		322	159	287	180	161	291	342	Lbs./in ²
Modulus of Rupture	ASTM D1037	8,300	8,823	7,432	4,477	4,693	2,397		4,118	11,923	15,387	4,424	4,684	13,555	15,494	Lbs./in ²
Modulus of Elasticity	ASTM D1037	737,000	1,281,514	897,792	797,295	586,629	550,473		406,791	1,661,152	2,155,160	564,062	523,569	1,807,667	1,678,781	Lbs./in ²
Hardness - Janka Ball	ASTM D1037	7,792	4589	4225	4897	1642	3100	2502	3076	1141	4589	252	648	1101	1871	Lbs., Janka Ball
Screw Holding Face	ASTM D1037	843	751	672	762	287	434	699	746	441	633	431	426	534	608	Lbs req'd to pull 1" #10 sheet metal screw
Screw Holding Edge	ASTM D1037	952	729	681	618	158	372	706	950	307	478	413	373	427	455	Lbs req'd to pull 1" #10 sheet metal screw
Linear Expansion	ASTM D1037	0.07	0.07	0.13	0.17	0.06	0.18	0.01	0.06	0.01	0.01	0.04	0.05	0.08	0.08	% dimensional change in length & width due to humidity change from 50%-80% RH
Moisture Content	ASTM D4442	4.0	2.0	2.5	3.0	3.5	3.0	3.0	4.0	7.3	3.9	6.4	5.8	6.9	5.5	%, oven-dry basis
Fire Rating	ASTM E-84	B	C	B	B	C	B	C	B	B	B	B	C			Class