

Vault Decking Properties

PROPERTY	TEST METHOD	RESULT
Coefficient of Thermal Expansion	ASTM D 696	1.7x10 ⁻⁵ inch/inch °F
Flexural Modulus MOE	ASTM D 6109	406,000 psi
Flexural Strength MOR	ASTM D 6109	4,000 psi
Screw Head Pull-through (Ultimate)	ASTM D 1761	401 lbs ³
Decay (Brown and White Rot)	ASTM D 2107-05	No effect
Termites (Formosan Subterranean)	ASTM D 3345-08	No effect
Slip Resistance	ASTM F 1679	Dry = 0.73 Wet = 0.68
Flame Spread (Capped)	ASTM E-84	155 ⁴
Uplift Resistance with Stowaway Fastener	ASTM E 330	100 lbs/sq. ft
Moisture Absorption	ASTM D 1037	<0.4% ⁵
Weight Per Lineal Foot		1.6 lbs/ft
Span/Load Rating	ASTM D 7032	16" span/100psf live load
Stair Tread Rating	ASTM D 7032	9" span with conditions Two-span condition min.

Evaluation Reports: CCRR-0195 Evaluation Report for the US

1 = Permadeck™ Vault Only. Does not include Wood Plastic Composite Material.

2 = In the length of the board.

3 = #10 x 2.5" Deck Screw

4 = Class C

5 = Fully Submerged Deck Board for 24 Hours (Extreme Condition)