

Deckorators® WPC¹ Properties

PROPERTY	TEST METHOD	RESULT
Coefficient of Thermal Expansion	ASTM D 696	1.6x10 ⁻⁵ inch/inch °F
Flexural Modulus MOE (Ultimate)	ASTM D 6109	548,742 psi
Flexural Strength MOR (Ultimate)	ASTM D 6109	3,327 psi
Compressive Strength (Ultimate)	ASTM D 143	2,350 psi
Screw Head Pull-through (Ultimate)	ASTM D 1761	909 lbs
Decay (Brown and White Rot)	ASTM D 2107-05	Pass
Termites (Formosan Subterranean)	ASTM O 3345-08	Pass
Slip Resistance	ASTM F 1679	Dry = 0.55 Wet = 0.45
Wildland Urban Interface (California Fire Test)	CSFM 12-7A-4A	Pass ²
Flame Spread (Capped)	ASTM E-84	85 ³
Uplift Resistance with Stowaway Hidden Fasteners	ASTM D 7032	100 lbs/ft ²
Moisture Absorption	ASTM D 1037	<0.28%
Weight Per Lineal Foot		2.38 lbs/ft

Evaluation Reports:

ESR-1573 Evaluation Report for the US

PFS TECO RR-100 Evaluation Report for the US

CCMC 13378-R Evaluation Report for Canada

1 = Wood & Plastic Composite Material. Does not include Deckorators Vault, Frontier or Voyage.

2 = Applies to Solid Edge Decking Only (not Slotted) with Maximum 3/16" Edge-to-Edge Spacing

3 = Class C

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