

Technical Data Sheet

Property	Requirement / Method	Result
Modulus of Elasticity ¹	ASTM D 6109	174, 616 (214,080)
Modulus of Rupture ¹	ASTM D 6109	3,938 (4,550)
Mechanical Fastener Testing	ASTM D 1761	312 psf
Mechanical Fastener Testing with the Deck Pilot System	ASTM D 1761	233 psf
Stair Tread Load	AC 174	Max Design Load Deflection Avg 0.081"
Coefficient of Linear Thermal Expansion	ASTM D 696	2.76 10 ⁻⁵ in/in/°F
VIT Slip Index ²	ASTM F 1679	Avg 66
Creep Relaxation	AC 174	97% Average Recovery
Abrasion Resistance	D 4060 / CS17 – 1000g/1000 Revolutions	<50mg.
Flame Spread	ASTM E- 84	20 FSI Class A Rated
Freeze -Thaw	AC 174	Passed
Fungus Decay Resistance	AC 174	No Evidence of Decay
Temperature Effect	AC 174	Passed
Moisture Effect	AC 174	Passed
UV Resistance	AC 174	Passed
Plank Size	-	5 ½" x 1" Nominal ¼" Radius
Weight	-	1.6 lb ft ± 10%
Predicted Heat Build-Up 105° Ambient, Full Sun	ASTM D 4803	Driftwood 140°F Redwood 143°F Cedar 139°F Mocha 141°F
CSFM 12-7A-4 Part A	Underdeck Flame	Pass: equal or less than 25kW/sq-ft net Peak Heat Release
CSFM 12-7A-4 Part B	Burning Brand	Pass: no dripping, sustained flaming, or glowing combustion
Accelerated Weathering	ASTM D2898	Pass
Hygroscopic Properties	ASTM D3201	Pass

¹ Average (Max)

² VIT Slip Index Threshold of Safety = >50