

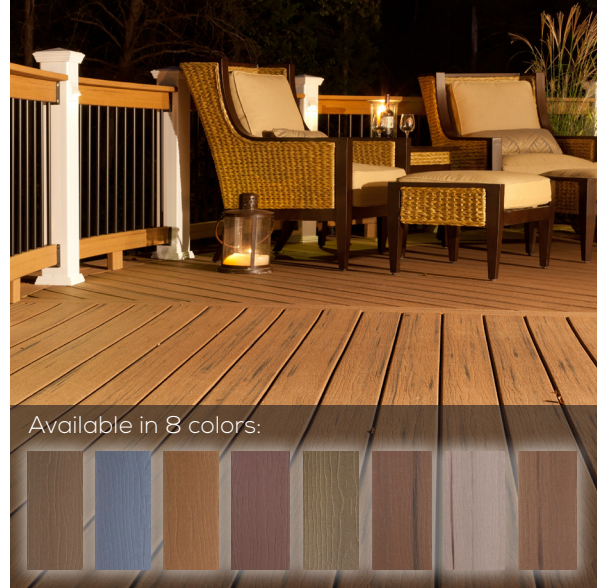
# PHYSICAL AND MECHANICAL PROPERTIES

**MoistureShield**  
moistureshield.com

## PRO



## VANTAGE



### MOISTURESHIELD DECKING: TECHNICAL PROPERTIES

TEST	REFERENCE	PRO	VANTAGE
<b>FLAME SPREAD:</b> <i>Reflects how quickly flame moves across deck</i>	ASTM E 84	CLASS B	CLASS C
<b>SPECIFIC GRAVITY:</b> <i>Reflects the relative density of the board</i>	ASTM D 792	1.11	0.985
<b>MODULUS OF ELASTICITY:</b> <i>Reflects the stiffness of board when it's under load</i>	ASTM D 6190	296,000 psi	267,000 psi
<b>MODULUS OF RUPTURE:</b> <i>Reflects the breaking point of a board</i>	ASTM D 6190	2,800 psi	2,900 psi
<b>COEFFICIENT OF LINEAR THERMAL EXPANSION:</b> <i>Reflects the movement of the board as temperatures change</i>	ASTM D 696	$3.28 \times 10^{-5}$ (In/In/F <sup>0</sup> )	$2.13 \times 10^{-5}$ (In/In/F <sup>0</sup> )
<b>SLIP RESISTANCE:</b> <i>Reflects the coefficient of friction on the surface of the board</i>	ASTM F 1679	dry: 0.58 wet: 0.56	dry: 0.64 wet: 0.70
<b>MAXIMUM ALLOWABLE UNIFORM LIVE LOAD:</b> <i>Reflects the load limit per square foot</i>	ESR-2388	100psf @ 16" o.c.	100psf @ 16" o.c.
<b>FORMOSAN TERMITE RESISTANCE RATING:</b> <i>Reflects resistance to insect attack (formosan termite)</i>	AWPA STANDARD E1-09	10 out of 10	9 out of 10
<b>FUNGUS DECAY RESISTANCE:</b> <i>Reflects resistance to development of fungal decay</i>	ASTM D 2017	PASS, <1% weight loss	PASS, <1% weight loss