

TEST	METHOD	RESULT
SPECIFIC GRAVITY		
	ASTM D 792	
Capped HDPE		1.1
HDPE		1.11
PVC		0.65
FASTENER PERFORMANCE		
	ASTM D 1761	
Screw Withdrawal SplitStop Titan III		377 allowable lbs
Screw Withdrawal Veranda Composite Screw		367 allowable lbs
Screw Withdrawal Tigerclaw		463 allowable lbs per fastener
Uplift Capacity Phantom Hidden Fastener		189 allowable lbs
MODULUS OF ELASTICITY (PSI)		
	ASTM D 6190	
HDPE		477,019
PVC		175,800
MODULUS OF RUPTURE (PSI)		
	ASTM D 6190	
HDPE		4,737
PVC		3,965
LINEAR COEFFICIENT OF EXPANSION X 10⁻⁵ (in/in/F°)		
Uncapped HDPE		1.75
Capped HDPE		1.67
PVC		2.76
COEFFICIENT OF STATIC FRICTION (DRY/WET) (CoE)		
	ASTM F 1679	
Fiberon: (Dry/Wet) (CoE)		0.80/1.19
Fiberon Classic		0.57/0.63
Tropics: Dry/Wet: new (avg)		0.49/0.68
Tropics: Dry/Wet: naturally weathered (avg)		0.71/0.76
Veranda Composite Decking		0.53/0.42
Horizon, ProTect, ArmorGuard, Sanctuary: Dry/Wet: (avg)		0.58/0.52
Outdoor Flooring: Dry/Wet: (avg)		0.70/0.65
Paramount: Dry/Wet: (avg)		0.85/0.82
DEFLECTION LOADS ALLOWED/ACTUAL (HDPE)		
	ASTM D 7032	
Max Design Load Deflection		0.090 in.
Recovery of at least 75% (HDPE & PVC)		meets or exceeds
Creep Relaxation (HDPE & PVC)		meets or exceeds
FLAME SPREAD INDEX & SMOKE DEVELOPED INDEX		
	ASTM E 84	
Fiberon: Flame Spread Index (FSI)		75**
ProTect/ArmorGuard/Sanctuary: Flame Spread Index (FSI)		115
Horizon: Flame Spread Index (FSI)		70
Paramount: Flame Spread Index (FSI)		30
Good Life Capped/Uncapped: Flame Spread Index (FSI)		120/125
Horizon: Smoke Developed Index (SDI)		350
Good Life Capped/Uncapped: Smoke Developed Index (SDI)		550/300
ProTect/ArmorGuard/Sanctuary: Smoke Developed Index (SDI)		350
Paramount: Smoke Developed Index (SDI)		850
CA OSFM WILDLAND-URBAN INTERFACE CODE COMPLIANCE		
	SFM 12-7A-4	
Fiberon (HDPE)	Part A	passes
Paramount/Outdoor Flooring (PVC)	Part A	passes
Paramount/Outdoor Flooring (PVC)	Part B, Class B	passes
ProTect/ArmorGuard	Part A	passes***
TERMITE RESISTANCE RATING		
	ASTM D 3345	
Outdoor Flooring (PVC)		10
FORMOSAN TERMITE RESISTANCE RATING		
	AWPA STANDARD E1-09	
HDPE		passes
FUNGUS DECAY RESISTANCE		
	ASTM D 1413	
Outdoor Flooring (PVC)		no decay
Fiberon, Horizon (HDPE)		no decay
ProTect/ArmorGuard/ Sanctuary		passes 0.89% weight loss

* See ICC-ES AC174 Code Compliance Research Report CCRR-0108 and CCRR-0152

** See: <http://osfm.fire.ca.gov/structfireengineer/pdf/bml/wuiproducts.pdf>