



Physical and Mechanical Properties

Brands		Fibron® (USA and International)			
PVC Decking	Promenade, Paramount® Hearth and Mantel Collections				
PE Decking	Concordia™ Symmetry® and Horizon® Collections, Sanctuary*, Good Life Escapes and Weekender Collections, Fibron ArmorGuard®, Veranda® Composite Decking				
Test		Method		Result*	
Specific Gravity		ASTM D792			
PVC				0.65	
PE				1.10	
Modulus of Elasticity		EN 15534-1:2014 Annex A / ASTM D6109			
Promenade		1441 Mpa		209,036 psi / 14697 Kg / cm	
Paramount		1430 Mpa		207,404 psi / 14582 Kg / cm	
Concordia		3087 Mpa		321,000 - 328,000 psi / 32068 Kg / cm	
Sanctuary, Sanctuary FR		3087 Mpa		318,000 psi / 33052 Kg / cm	
Good Life, Good Life FR		2332 Mpa		263,000 psi / 28439 Kg / cm	
Fibron ArmorGuard		3519 Mpa		275,000 psi / 32286 Kg / cm	
Veranda Composite Decking		N/A		247,000 psi / 17366 Kg / cm	
Modulus of Rupture		EN 15534-1:2014 Annex A / ASTM D6109			
Promenade		28.6 Mpa		4,151 psi	
Paramount		24.7 Mpa		3,588 psi / 252.32 Kg / cm	
Concordia		34.1 Mpa		4,950 psi / 246.13 Kg / cm	
Sanctuary, Sanctuary FR		33.0 - 34.7 Mpa		4,790 - 5,040 psi / 185.86 Kg / cm	
Good Life, Good Life FR		25.4 Mpa		3,680 psi / 200.07 Kg / cm	
Fibron ArmorGuard		27.4 Mpa		3,970 psi / 242.19 Kg / cm	
Veranda Composite Decking		25.1 Mpa		3,640 psi	
Linear Coefficient of Expansion x 10 ⁻⁵ (in/in/°F)		ASTM D6341			
PVC				2.76 x 10 ⁻⁵ in/in/°F	
PE				1.99 x 10 ⁻⁵ in/in/°F	
Coefficient of Static Friction		ASTM F1679			
Promenade				0.70 dry / 0.51 wet	
Paramount				0.80 dry / 0.75 wet	
Concordia Symmetry Collection				0.40 dry / 0.38 wet	
Concordia Horizon Collection, Fibron ArmorGuard				0.40 dry / 0.31 wet	
Sanctuary, Sanctuary FR				0.37 dry / 0.36 wet	
Good Life, Good Life FR				0.37 dry / 0.33 wet	
Deflection Loads Allowed / Actual		ASTM D7032			
Max Design Load Deflection - PVC				0.128 in. / 3.25 mm	
Max Design Load Deflection - PE				<0.120 in. / 3.05 mm	
Recovery of at least 75% - PVC, PE				meets or exceeds requirements	
Creep Relaxation - PVC, PE				meets or exceeds requirements	
Stair Spans		Residential On-Center Stringer Spacing			
PVC Decking		24 in. - With PT SYP 2x4 blocking on edge, centered under each tread and secured with two nails at each end.			
PE Decking		12 in.			
Snow Load Capacity ICC-ES AC174		100 psf	300 psf	350 psf	400 psf
Promenade, Paramount, Concordia, Sanctuary, Sanctuary FR		16 in.	16 in.	16 in.	16 in.
Fibron Armorguard, Good Life, Good Life FR, Veranda Composite Decking		16 in.	16 in.	12 in.	12 in.

Flame Spread Index**ASTM E84**

Promenade		FSI 15 Class A
Paramount		FSI 25 Class A
Sanctuary FR, Good Life FR		FSI 70 Class B
Concordia		FSI 130 Class C
Good Life, Veranda Composite Decking		FSI 135 Class C
Sanctuary, Fiberon ArmorGuard		FSI 140 Class C

Smoke Developed Index**ASTM E84**

Promenade		SDI 950
Paramount		SDI 1000
Concordia, Sanctuary, Fiberon ArmorGuard		SDI 300
Good Life, Veranda Composite Decking		SDI 400
Sanctuary FR, Good Life FR		SDI 300

CA SFM 12-7A-4 Code Compliance for use in all CA Wildland Urban Interface (WUI) fire severity zones.**Decking Alternative Method A**

PVC (Promenade, Paramount)	Part A	meets or exceeds requirements
Sanctuary FR, Good Life FR	Part A	meets or exceeds requirements
Paramount and Promenade are approved for use in Wildland Urban Interface areas of the unincorporated areas of San Diego.		

Termite Resistance Rating**ASTM D3345**

PVC, PE		meets or exceeds requirements
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Formosan Termite Resistance Rating**AWPA standard E1-09**

PE		meets or exceeds requirements
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Fungus Decay Resistance**ASTM D1413**

Promenade, Paramount, Concordia, Sanctuary, Sanctuary FR, Good Life, Good Life FR, Fiberon ArmorGuard, Veranda Composite Decking		meets or exceeds requirements
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Fastener Performance Testing**ASTM D1037 - 3.0 safety factor****Ultimate Pull-Through**

Concordia	Phantom Universal	306 psf
Good Life	Phantom Universal	284 psf

Fastener Performance Testing**ASTM E330 - 3.0 safety factor****Allowable Uplift Capacity**

Paramount	EDGE / EDGEX	277 psf
Concordia	Phantom Universal	391 psf
Concordia	EDGE / EDGEX	259 psf
Good Life	EDGE / EDGEX	267 psf

Texas Department of Insurance (TDI)**Report Number****Evaluated for compliance with the wind load specified in IRC and IBC.**

Concordia, Sanctuary, Good Life, Fiberon ArmorGuard, Veranda	MC-20	
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*See ASTM D7032 Product Evaluation Report PER-15097.

Fiberon decking is compliant with the 2016 California Green Building Standard Code "CALGreen" Title 24, Part 11, and 2015 ICC 700 National Green Building Standard.