

Brands		Fiberon® (USA and International)			
PVC Decking	Promenade, Paramount®				
PE Decking	Concordia™ Symmetry® and Horizon® Collections, Sanctuary®, Good Life Escapes and Weekender Collections, Fiberon ArmorGuard®, Veranda® Composite Decking				
PE Cladding	Wildwood™ Eden and Sahara Collections				
Test	Method		Result*		
<b>Specific Gravity</b>	<b>ASTM D792</b>				
PVC			0.65		
PE			1.10		
<b>Modulus of Elasticity</b>	<b>EN 15534-1:2014 Annex A / ASTM D6109</b>				
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		
Fiberon ArmorGuard	3519 Mpa		275,000 psi / 32286 Kg / cm		
Veranda Composite Decking	N/A		247,000 psi / 17366 Kg / cm		
<b>Modulus of Rupture</b>	<b>EN 15534-1:2014 Annex A / ASTM D6109</b>				
Promenade	28.6 Mpa		4,151 ps		
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		
Fiberon ArmorGuard	27.4 Mpa		3,970 psi / 242.19 Kg / cm		
Veranda Composite Decking	25.1 Mpa		3,640 psi		
<b>Linear Coefficient of Expansion x 10<sup>-5</sup> (in/in/°F)</b>	<b>ASTM D6341</b>				
PVC			2.76 x 10 <sup>-5</sup> in/in/°F		
PE			1.99 x 10 <sup>-5</sup> in/in/°F		
<b>Coefficient of Static Friction</b>	<b>ASTM F1679</b>				
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, Fiberon 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		
<b>Deflection Loads Allowed / Actual</b>	<b>ASTM D7032</b>				
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		
<b>Stair Spans</b>	<b>Residential On-Center Stringer Spacing</b>				
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.				
<b>Snow Load Capacity ICC-ES AC174</b>	<b>100 psf</b>	<b>300 psf</b>	<b>350 psf</b>	<b>400 psf</b>	
Promenade, Paramount, Concordia, Sanctuary, Sanctuary FR	16 in.	16 in.	16 in.	16 in.	
Fiberon 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 30 Class B
Sanctuary FR, Good Life FR		FSI 60 Class B
Wildwood		FSI 65 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 850
Concordia, Sanctuary, Fiberon ArmorGuard		SDI 300
Good Life, Veranda Composite Decking		SDI 400
Sanctuary FR, Good Life FR		SDI 170

**CA SFM 12-7A-1 Code Compliance for use in all CA Wildland-Urban Interface (WUI) fire severity zones.**

Wildwood		meets or exceeds requirements
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**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, Part B (Class B Brand)	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 D1761 - 3.0 safety factor****Ultimate Pull-Through**

Paramount	Cortex	172 psf
Concordia	Phantom Universal	306 psf
Good Life	Phantom Universal	284 psf

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

Promenade	Phantom Universal	98 psf
Concordia	Phantom Universal	391 psf
Good Life	Phantom Universal	413 psf
Fiberon ArmorGuard	Cortex	244 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	MC20	
Concordia Cladding	MC18	

**Florida Product Approval**

Concordia Cladding	Florida Product Approval	#21959
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**Allowable Design Pressure in Accordance with TAS 202 & 203 for Concordia Cladding****Fastener Description****Material Orientation****Wood Framing****Allowable Design Pressure\*\***

#9 x 2-1/2-in long Composite Deck Screw	Concordia Cladding Horizontal	16 in. o.c.	(+/-) 120
#9 x 2-1/2-in long Composite Deck Screw	Concordia Fascia and Riser Horizontal	16 in. o.c.	(+/-) 115

\*See ASTM D7032 Product Evaluation Report PER-15097 \*\*Allowable design pressure is based on tested values using a safety factor of 1.5

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.