

COMPOSITE STRUCTURAL PANEL CERTIFIED SPAN TABLES

FOAM CORE PANELS

CLEAR SPAN CONDITION (Safety Factor of 3)

Panel Length (ft)	Panel Span (ft)	Maximum Uniformly Distributed Load (psf)		
		L/180	L/240	L/360
6'-0"	6'-0"	224	224	168
7'-0"	7'-0"	192	192	135
8'-0"	8'-0"	168	164	109
9'-0"	9'-0"	149	135	90
10'-0"	10'-0"	126	112	75
11'-0"	11'-0"	104	94	63
12'-0"	12'-0"	87	79	53
13'-0"	13'-0"	74	68	45
14'-0"	14'-0"	64	58	38
15'-0"	15'-0"	56	50	33
16'-0"	16'-0"	49	43	28
17'-0"	17'-0"	43	37	25
18'-0"	18'-0"	39	33	22

MID-SPAN (CENTER) SUPPORT CONDITION (Safety Factor of 3)

Panel Length (ft)	Panel Span (ft)	Maximum Uniformly Distributed Load (psf)		
		L/180	L/240	L/360
6'-0"	3'-0"	431	431	396
8'-0"	4'-0"	316	316	287
10'-0"	5'-0"	247	247	221
12'-0"	6'-0"	202	202	177
14'-0"	7'-0"	170	170	146
16'-0"	8'-0"	147	147	122
18'-0"	9'-0"	129	129	104
20'-0"	10'-0"	115	115	89
22'-0"	11'-0"	103	103	78
24'-0"	12'-0"	94	94	68



THIRD PARTY TESTING & ENGINEERING

Panel span tables engineered by TJC and Associates, Inc. based on third party tests (including ASTM E-72, ASTM E-661 and ASTM E-8) conducted by Terrapin Testing, Inc. (International Accreditation Service, Inc. Testing Laboratory TL-159 and Florida Accreditation Laboratory TST2542) in accordance with ICC-ES Acceptance Criteria for Sandwich Panels AC04.

NOTES

1. Allowable loads presented within the above tables are based on the following three failure/limiting conditions:
 - a. Ultimate bending moment divided by a Factor of Safety of 3.0
 - b. Ultimate shear capacity divided by a Factor of Safety of 3.0
 - c. Deflection limit presented within the table
2. Allowable loads presented in the tables must be greater than the applied loads from all possible load combinations. All load combinations defined within the governing Code must be considered in the design of a roof or floor system.
3. Interpolation of allowable loads is allowable for spans between those shown.
4. Consideration must be given to uplift connection capacity for panels subjected to wind uplift loads.
5. Core splices, if/when used, must be located such that the core splice is at least 10% of the "Panel Span" away from any support.
6. "Panel Span" for the "Mid-Span Support Condition" is the distance from one end of the panel to the middle support. The middle support has been assumed to be at the mid-span of the panel. Therefore, for a 12 foot long panel with a mid-span support at 6 feet from one end, the "Panel Span" is 6'-0".
7. Loads applied are considered uniform in nature and have been assumed to be applied to the entire surface of the panel.
8. VeriClad™ panel Dead Load is 5.0 psf.