

TECTUM® I Roof Deck Design Guidelines

Design Load Data

System	Thickness***	Wt. (psf)***	Product	24"	30"	36"	38"	40"	42"	44"	48"	50"	52"	54"	60"	66"	72"
Plank Tectum® I	2"	3.5	I	130	75	50	45	40	35								
	2-1/2"	4.5	I	150	120	80	70	60	50	45	35						
	3"	5.3	I	200	125	102	91	82	74	65	50	45	40	35			
Long Span Plank	2"	3.8	I	130	75	75	75	70	64	57	50	45	40	35			
	2-1/2"	4.7	I	150	120	120	120	114	103	93	77	70	65	60	50	35	
	3"	5.5	I	200	125	125	125	125	120	115	110	104	96	88	71	58	50

**All published design loads are based on a minimum safety factor of four. For example, 50 psf design load has an ultimate load of 200 psf.

***Thickness and weight are nominal. For loads greater than 200 lbs., contact Armstrong Building Solutions.

Contact Armstrong® Techline for more information—techline@armstrongceilings.com

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