

TECTUM® E AND E-N 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"	84"	96"
Comp. Plank Tectum® E and E-N	2-3/4"	4.4	E	200	125	100	90	80	74	65	50								
	3½"	4.5	E	200	150	135	120	110	100	90	75	70	65	60	50				
	4"	4.6	E	200	180	165	150	135	125	115	95	85	75	70	60	55	50	35	
	5"	5.0	E		200	195	175	155	140	120	110	100	95	85	70	65	60	45	
	6", 7"	5.2	E								200	180	170	160	150	125	105	75	60
	8", 9", 10"	5.5	E												200	165	130	100	75
Plank NS	2-1/2"	4.7	NS	200	125	100	90	80	74	65	50								
	3"	5.6	NS	200	195	135	120	110	100	90	75	70	65	60	50				
	3-1/2", 4"	6.4	NS		200	195	175	155	140	120	110	100	95	80	70	60	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

1 877 ARMSTRONG
armstrongbuildingsolutions.com/tectum

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