

# Premier Panel R-Values

## Type I modified EPS core

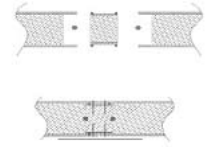
Core Thickness	R-Value at 75°	R-Value at 40°
3-1/2"	15	16
5-1/2"	23	24
7-1/4"	30	31
9-1/4"	38	39
11-1/4"	46	47

## Load Charts with a Built in Safety Factor

All of Premier's load charts have a built-in safety factor. We have taken our SIPs products' ultimate load at failure and divided this number by 3. The result is then used as the design load value.

### Axial Load Chart 1: Allowable Axial Loads (plf) for Premier Type S (Spline) SIPs

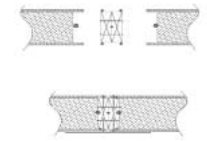
Panel Core Thickness	Wall Panel Height (ft.)					
	8'	10'	12'	16'	20'	24'
3 1/2"	3500	2553	2452	NA	NA	NA
5 1/2"	4250	4042	3373	3358	NA	NA
7 1/4"	4917	4325	4473	4194	3496	NA
9 1/4"	4200	4200	4200	4200	3389	NA
11 1/4"	3890	3890	3890	3890	3890	NA



Axial loads represent ultimate load divided by a safety factor of 3.  
 Loads do not reflect secondary effect of  $P\Delta$   
 More information on this chart can be found in Technical Bulletin #4 ([www.pbssips.com](http://www.pbssips.com))

### Axial Load Chart 2: Allowable Axial Loads (plf) for Premier Type L (Lumber) SIPs

Panel Core Thickness	Wall Panel Height (ft.)					
	8'	10'	12'	16'	20'	24'
3 1/2"	4723	3903	3094	2350	NA	NA
5 1/2"	5849	5889	4278	4311	NA	NA
7 1/4"	6850	6111	5556	5181	4835	NA
9 1/4"	5470	5470	5470	5470	5470	4250
11 1/4"	4500	4333	4167	3750	3750	3333



Axial loads represent ultimate load divided by a safety factor of 3.  
 Loads do not reflect secondary effect of  $P\Delta$   
 2x's are spaced 4' on center.  
 More information on this chart can be found in Technical Bulletin #4 ([www.pbssips.com](http://www.pbssips.com))