



R-PANEL / PBR PANEL

Specification Sheet

SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS PSF (3 or More Equal Spans)											
Ga.	Width (In.)	Yield KSI	Weight PSF	Top in Compression		Bottom in Compression		Inward (Gravity / Deflection) Load					Outward Uplift (Stress) Load						
				Ixx In ⁴ /ft	Sxx In ³ /ft	Ixx In ⁴ /ft	Sxx In ³ /ft	2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
26	36"	80	0.91	0.0360	0.0358	0.0307	0.0449	250	125	73	48	28	18	286	138	80	52	36	27
24	36"	50	1.17	0.0567	0.0578	0.0443	0.0609	328	152	87	56	39	27	419	193	110	71	49	36
22	36"	50	1.51	0.0800	0.0855	0.0633	0.0808	449	205	116	75	52	38	630	288	164	105	73	54

- Theoretical section properties have been calculated per AISI 2001 "Specification for the Design of Cold-formed Steel Structural Members." Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending and shear, deflection, and applicable testing when available. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase in uplift.