



UNITED PANEL INDUSTRIES

SLP 100 SERIES WALLS AND CEILINGS

GENERAL USE

United Panel Industries, (UPI Panels) SLP 100 Series are designed for use in walk in coolers, freezers, agricultural rooms, portable buildings and processing areas.

DETAILS

United Panel Industries, SLP 100 Series panels consist of 26 gage galvanized steel skins, meeting ASTM A446, and have a core of expanded polystyrene manufactured by Atlas Foam Corporation as approved under ICC Evaluation Report No. ESR1962 and UL approval ER16529-01. UPI Panels come in 2" to 12" thickness, with a width of 45 ¾" and vary in lengths. UPI Panels are approved as structural wall and ceiling panels for use in interior/exterior walk in coolers, freezers, agricultural, portable buildings and processing areas. United Panel Industries will provide product data as a technical reference to support design and engineering efforts, but it is the sole responsibility of the purchaser or project engineer to extract, analyze, and implement this data in accordance with project specific requirements and to verify compliance with all applicable codes and regulatory standards.

See the next page for applicable data charts.

Maximum Allowable Wall Height

Panel Thickness	Maximum Wall Panel Height	
	300 PLF Axial Load	200 PLF Axial Load
4"	16'	20'
5"	20'	24'
6"	24'	28'
7"	28'	32'
8"	32'	35'
9"	35'	35'
10"	35'	35'
12"	35'	35'

Shear Wall and Diaphragm Shear Values

Maximum Height to Width Ratio	Allowable Shear (PLF)
2:1	50
1:1	100
0.5:1	200

Maximum Allowable Ceiling Load (PSF)

Span	Panel Thickness							
	4"	5"	6"	7"	8"	9"	10"	12"
8'	40	40	50	50	50	50	50	50
10'	27	30	30	40	40	50	50	50
12'	20	20	20	30	35	35	40	45
14'	15	15	20	20	25	25	30	35
16'	12	15	15	15	20	20	20	25
18'	10	10	10	15	15	15	15	20
20'	8	8	10	10	10	10	15	15
22'	6	6	6	9	10	10	10	10
24'	5	5	5	7	8	8	8	10
26'	4	4	4	6	7	7	7	10
28'	3	4	4	5	6	6	6	8
30'	3	4	4	5	5	5	5	7