



PANELS

SLP 100 SERIES WALLS AND CEILING

GENERAL USE

UPI Panels SLP 100 Series are designed for use in walk-in coolers, freezers, agricultural and processing areas.

DETAILS

UPI Panels SLP 100 Series panels consist of 26 gage galvanized steel skins, meeting ASTM A446, and have a core of expanded polystyrene beads manufactured by BASF Corporation as approved under ICC Evaluation Report No. ESR-1498. The panels are 4" to 12" in thickness and vary in width up to a maximum of 45 3/4". The panels are approved as structural wall and ceiling panels for use in interior, non-fire rated walk-in coolers, freezers, agricultural, and processing areas.

Product data is provided by UPI Panels as a technical reference to support design and engineering efforts. It is the sole responsibility of the purchaser to extract, analyze, and implement this data in accordance with project-specific requirements and to verify compliance with all applicable codes and regulatory standards.

Project-specific structural design calculations shall be prepared and submitted to the Structural Plan Check Section. All submittals must be signed and stamped by a licensed civil or structural engineer or a registered architect authorized to practice.

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