

# EPS Insulated Panels

## Maximum Spans for Uniform Loads (Units in Feet for 26-Gauge Steel Panel Skins)

Core Thickness	Total Uniform Load (lb/sq ft)						
	5	10	20	30	40	50	60
2 inch	18	13	9	7	6	5	3
3 inch	22	16	10	9	6	5	4
4 inch	25	18	13	10	8	7	6
5 inch	30	22	15	12	9	8	7
6 inch	32	23	16	13	10	9	8
8 inch	36	25	19	15	12	11	10
10 inch	41	29	20	17	14	12	11

*\*Uniform Load Spans based on the following: face wrinkling with a safety factor of 2; deflection of  $L/240$  of span; or core shear with a safety factor of 5. Uniform Load Spans are rounded to the lower footage.*

*\* All values are calculated using core material of Type 1 (1 lb. Density) EPS Foam. Greater values can be reached with higher density foam which is available.*

### Other Guidelines

PermaTherm Architectural Insulating Panels are designed to carry specified total loads, with maximum computed buckling stress not to exceed the maximum allowable buckling stress of the facings.

The inside face of all panels must be cut at girt attachments to avoid compression buckling of the exterior skin.

Wherever interior panel skins are extended to the outside (warm side) surface, a thermal break must be cut to avoid thermal conductivity.

Block panel packages should be stored above ground to keep out of water provide drainage.