

# Allowable Span Table

# KS Series: Shadowline

PANEL THICKNESS	SPAN CONDITION	NEGATIVE WALL PRESSURE IN PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
2	double span	11'-2"	9'-1"	7'-8"	6'-8"	5'-11"	5'-3"
	multiple span	11'-4"	9'-2"	7'-8"	6'-7"	5'-10"	5'-3"
2.5	double span	14'-1"	11'-5"	9'-8"	8'-5"	7'-5"	6'-8"
	multiple span	14'-0"	11'-7"	9'-9"	8'-5"	7'-5"	6'-7"
3	double span	15'-9"	12'-9"	10'-9"	9'-4"	8'-3"	7'-5"
	multiple span	16'-3"	14'-0"	11'-9"	10'-1"	8'-10"	7'-11"
4	double span	15'-11"	12'-11"	10'-11"	9'-6"	8'-5"	7'-7"
	multiple span	17'-6"	14'-1"	11'-9"	10'-1"	8'-11"	7'-11"
5	double span	16'-2"	13'-2"	11'-2"	9'-8"	8'-7"	7'-9"
	multiple span	17'-7"	14'-1"	11'-10"	10'-2"	8'-11"	8'-0"
6	double span	16'-3"	13'-3"	11'-3"	9'-10"	8'-8"	7'-10"
	multiple span	17'-7"	14'-2"	11'-10"	10'-3"	9'-0"	8'-0"

Panel Series: KS Shadowline  
 Design Parameter: Uniform Load  
 Fastening Method: Standard 2-Hole Concealed Clip w/ (2) 1/4" TEK Fasteners  
 Exterior Face: 26 Ga. Galvanized Steel  
 Interior Face: 26 Ga. Galvanized Steel  
 Deflection Limit: L/180  
 Structural Support Gauge: 14 Ga  
 Panel Width: 24"  
 Thermal Differential: Not taken into account

PANEL THICKNESS	SPAN CONDITION	NEGATIVE WALL PRESSURE IN PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
2	double span	11'-2"	9'-1"	7'-8"	6'-8"	5'-11"	5'-3"
	multiple span	11'-4"	9'-2"	7'-8"	6'-7"	5'-10"	5'-3"
2.5	double span	12'-8"	10'-4"	8'-9"	7'-7"	6'-9"	6'-0"
	multiple span	14'-0"	11'-3"	9'-5"	8'-1"	7'-1"	6'-4"
3	double span	12'-9"	10'-5"	8'-9"	7'-8"	6'-9"	6'-1"
	multiple span	14'-0"	11'-3"	9'-5"	8'-1"	7'-1"	6'-4"
4	double span	12'-11"	10'-6"	8'-11"	7'-9"	6'-11"	6'-2"
	multiple span	14'-1"	11'-3"	9'-5"	8'-2"	7'-2"	6'-5"
5	double span	13'-2"	10'-9"	9'-1"	7'-11"	7'-0"	6'-4"
	multiple span	14'-1"	11'-4"	9'-6"	8'-3"	7'-3"	6'-6"
6	double span	13'-3"	10'-10"	9'-3"	8'-0"	7'-1"	6'-5"
	multiple span	14'-2"	11'-5"	9'-7"	8'-3"	7'-3"	6'-6"

Panel Series: KS Shadowline  
 Design Parameter: Uniform Load  
 Fastening Method: Standard 2-Hole Concealed Clip w/ (2) 1/4" TEK Fasteners  
 Exterior Face: 26 Ga. Galvanized Steel  
 Interior Face: 26 Ga. Galvanized Steel  
 Deflection Limit: L/180  
 Structural Support Gauge: 14 Ga  
 Panel Width: 30"  
 Thermal Differential: Not taken into account

PANEL THICKNESS	SPAN CONDITION	NEGATIVE WALL PRESSURE IN PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
2	double span	10'-7"	8'-7"	7'-3"	6'-4"	5'-7"	5'-1"
	multiple span	11'-4"	9'-2"	7'-8"	6'-7"	5'-10"	5'-3"
2.5	double span	10'-9"	8'-9"	7'-5"	6'-5"	5'-8"	5'-1"
	multiple span	11'-8"	9'-5"	7'-10"	6'-9"	5'-11"	5'-4"
3	double span	10'-9"	8'-9"	7'-5"	6'-6"	5'-9"	5'-2"
	multiple span	11'-9"	9'-5"	7'-11"	6'-10"	6'-0"	5'-4"
4	double span	10'-11"	8'-11"	7'-7"	6'-7"	5'-10"	5'-2"
	multiple span	11'-9"	9'-5"	7'-11"	6'-10"	6'-0"	5'-4"
5	double span	11'-2"	9'-1"	7'-9"	6'-9"	6'-0"	5'-4"
	multiple span	11'-10"	9'-6"	8'-0"	6'-11"	6'-1"	5'-5"
6	double span	11'-3"	9'-3"	7'-10"	6'-9"	6'-0"	5'-5"
	multiple span	11'-10"	9'-7"	8'-0"	6'-11"	6'-1"	5'-5"

Panel Series: KS Shadowline  
 Design Parameter: Uniform Load  
 Fastening Method: Standard 2-Hole Concealed Clip w/ (2) 1/4" TEK Fasteners  
 Exterior Face: 26 Ga. Galvanized Steel  
 Interior Face: 26 Ga. Galvanized Steel  
 Deflection Limit: L/180  
 Structural Support Gauge: 14 Ga  
 Panel Width: 36"  
 Thermal Differential: Not taken into account

PANEL THICKNESS	SPAN CONDITION	NEGATIVE WALL PRESSURE IN PSF					
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF
2	double span	9'-2"	7'-6"	6'-4"	5'-6"	4'-11"	4'-5"
	multiple span	10'-0"	8'-1"	6'-9"	5'-10"	5'-1"	4'-7"
2.5	double span	9'-3"	7'-7"	6'-5"	5'-7"	5'-0"	4'-4"
	multiple span	10'-1"	8'-1"	6'-9"	5'-10"	5'-2"	4'-6"
3	double span	9'-4"	7'-8"	6'-6"	5'-8"	5'-0"	4'-4"
	multiple span	10'-1"	8'-1"	6'-10"	5'-10"	5'-2"	4'-6"
4	double span	9'-6"	7'-9"	6'-7"	5'-9"	4'-11"	4'-4"
	multiple span	10'-1"	8'-2"	6'-10"	5'-11"	5'-2"	4'-6"
5	double span	9'-8"	7'-11"	6'-9"	5'-10"	5'-1"	4'-6"
	multiple span	10'-2"	8'-3"	6'-11"	5'-11"	5'-3"	4'-7"
6	double span	9'-10"	8'-0"	6'-9"	5'-11"	5'-3"	4'-8"
	multiple span	10'-3"	8'-3"	6'-11"	6'-0"	5'-3"	4'-8"

Panel Series: KS Shadowline  
 Design Parameter: Uniform Load  
 Fastening Method: Standard 2-Hole Concealed Clip w/ (2) 1/4" TEK Fasteners  
 Exterior Face: 26 Ga. Galvanized Steel  
 Interior Face: 26 Ga. Galvanized Steel  
 Deflection Limit: L/180  
 Structural Support Gauge: 14 Ga  
 Panel Width: 42"  
 Thermal Differential: Not taken into account

NOTES TO TABLE:  
 Spans shown are for negative uniform loads only. Spans may be governed by other factors including temperature differentials, deflection requirements, structural support gage, or unequal spacing of secondary. Consult Kingspan for specific project applications.



Insulated Panels

877-638-3266 • (386) 626-6789 • Fax (386) 626-6884 (209) 531-9091 • Fax (209) 531-9055

www.kingspanpanels.us

Revised 07/20/12