

QuadCore® KS Shadowline Interior and KS Flat Interior

Allowable Load / Span Tables

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QuadCore® KS Shadowline Interior and KS Flat Interior

Allowable Load / Span Tables

Facer Gauges: 22ga exterior/22ga interior
Interior Design Loads: +/- 5 psf

Temperature Differential EXCLUDED			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	21' - 11"	25' - 4"
2.75"	Single	27' - 4"	31' - 7"
3"	Single	29' - 0"	33' - 6"
4"	Single	35' - 4"	38' - 11"
5"	Single	41' - 0"	43' - 8"
6"	Single	46' - 2"	48' - 0"
8"	Single	55' - 1"	55' - 7"

Temperature Differential of 50°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	14' - 10"	19' - 0"
2.75"	Single	19' - 3"	24' - 4"
3"	Single	20' - 8"	26' - 0"
4"	Single	25' - 11"	32' - 5"
5"	Single	30' - 9"	38' - 4"
6"	Single	35' - 3"	43' - 8"
8"	Single	42' - 11"	53' - 2"

Temperature Differential of 75°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	12' - 0"	16' - 2"
2.75"	Single	15' - 11"	21' - 1"
3"	Single	17' - 2"	22' - 8"
4"	Single	21' - 10"	28' - 6"
5"	Single	26' - 3"	34' - 0"
6"	Single	30' - 4"	39' - 3"
8"	Single	37' - 7"	48' - 3"

Temperature Differential of 100°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	9' - 10"	13' - 10"
2.75"	Single	13' - 3"	18' - 3"
3"	Single	14' - 4"	19' - 8"
4"	Single	18' - 6"	25' - 2"
5"	Single	22' - 6"	30' - 3"
6"	Single	26' - 3"	35' - 0"
8"	Single	32' - 10"	43' - 7"



QuadCore® KS Shadowline Interior and KS Flat Interior

Allowable Load / Span Tables

Facer Gauges: 22ga exterior/24ga interior
Interior Design Loads: +/- 5 psf

Temperature Differential EXCLUDED			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	21' - 1"	24' - 1"
2.75"	Single	26' - 4"	28' - 7"
3"	Single	27' - 11"	29' - 11"
4"	Single	33' - 11"	34' - 9"
5"	Single	39' - 0"	39' - 0"
6"	Single	42' - 10"	42' - 10"
8"	Single	49' - 7"	49' - 7"

Temperature Differential of 50°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	14' - 6"	18' - 6"
2.75"	Single	18' - 10"	23' - 8"
3"	Single	20' - 2"	25' - 4"
4"	Single	25' - 3"	31' - 6"
5"	Single	29' - 11"	37' - 2"
6"	Single	34' - 3"	42' - 4"
8"	Single	41' - 10"	49' - 7"

Temperature Differential of 75°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	11' - 10"	15' - 10"
2.75"	Single	15' - 8"	20' - 8"
3"	Single	16' - 10"	22' - 2"
4"	Single	21' - 6"	27' - 10"
5"	Single	25' - 9"	33' - 3"
6"	Single	29' - 9"	38' - 2"
8"	Single	36' - 10"	47' - 0"

Temperature Differential of 100°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	9' - 10"	13' - 7"
2.75"	Single	13' - 1"	18' - 0"
3"	Single	14' - 2"	19' - 4"
4"	Single	18' - 3"	24' - 8"
5"	Single	22' - 2"	29' - 8"
6"	Single	25' - 10"	34' - 3"
8"	Single	32' - 3"	42' - 8"



QuadCore® KS Shadowline Interior and KS Flat Interior

Allowable Load / Span Tables

Facer Gauges: 24ga exterior/24ga interior
Interior Design Loads: +/- 5 psf

Temperature Differential EXCLUDED			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	20' - 5"	23' - 7"
2.75"	Single	25' - 5"	28' - 6"
3"	Single	27' - 0"	29' - 10"
4"	Single	32' - 10"	34' - 8"
5"	Single	38' - 1"	38' - 11"
6"	Single	42' - 9"	42' - 9"
8"	Single	49' - 7"	49' - 7"

Temperature Differential of 50°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	14' - 3"	18' - 1"
2.75"	Single	18' - 5"	23' - 1"
3"	Single	19' - 9"	24' - 8"
4"	Single	24' - 8"	30' - 8"
5"	Single	29' - 3"	36' - 2"
6"	Single	33' - 6"	41' - 4"
8"	Single	40' - 10"	49' - 7"

Temperature Differential of 75°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	11' - 8"	15' - 7"
2.75"	Single	15' - 5"	20' - 3"
3"	Single	16' - 7"	21' - 9"
4"	Single	21 - 1"	27' - 4"
5"	Single	25' - 4"	32' - 6"
6"	Single	29' - 3"	37' - 4"
8"	Single	36' - 1"	45' - 10"

Temperature Differential of 100°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	9' - 9"	13' - 5"
2.75"	Single	13' - 0"	17' - 8"
3"	Single	14' - 0"	19' - 0"
4"	Single	18' - 1"	24' - 3"
5"	Single	22' - 11"	29 - 0"
6"	Single	25' - 5"	33' - 8"
8"	Single	31' - 10"	41' - 10"



QuadCore® KS Shadowline Interior and KS Flat Interior

Allowable Load / Span Tables

Facer Gauges: 22ga exterior/26ga interior
Interior Design Loads: +/- 5 psf

Temperature Differential EXCLUDED			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	20' - 5"	22' - 0"
2.75"	Single	25' - 5"	26' - 0"
3"	Single	27' - 0"	27' - 3"
4"	Single	31' - 7"	31' - 7"
5"	Single	35' - 5"	35' - 5"
6"	Single	38' - 11"	38' - 11"
8"	Single	45' - 1"	45' - 1"

Temperature Differential of 50°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	14' - 3"	18' - 0"
2.75"	Single	18' - 5"	23' - 1"
3"	Single	19' - 8"	24' - 8"
4"	Single	24' - 8"	30' - 8"
5"	Single	29' - 3"	35' - 5"
6"	Single	33' - 5"	38' - 11"
8"	Single	40' - 10"	45' - 1"

Temperature Differential of 75°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	11' - 8"	15' - 7"
2.75"	Single	15' - 5"	20' - 3"
3"	Single	16' - 7"	21' - 9"
4"	Single	21' - 1"	27' - 3"
5"	Single	25' - 3"	32' - 5"
6"	Single	29' - 2"	37' - 4"
8"	Single	36' - 1"	45' - 1"

Temperature Differential of 100°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	9' - 8"	13' - 5"
2.75"	Single	13' - 0"	17' - 8"
3"	Single	14' - 0"	19' - 1"
4"	Single	18' - 1"	24' - 3"
5"	Single	21' - 10"	29' - 1"
6"	Single	25' - 5"	33' - 7"
8"	Single	31' - 10"	41' - 9"



QuadCore® KS Shadowline Interior and KS Flat Interior

Allowable Load / Span Tables

Facer Gauges: 24ga exterior/26ga interior
Interior Design Loads: +/- 5 psf

Temperature Differential EXCLUDED			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	19' - 9"	21' - 11"
2.75"	Single	24' - 8"	26' - 0"
3"	Single	26' - 2"	27' - 2"
4"	Single	31' - 7"	31' - 7"
5"	Single	35' - 5"	35' - 5"
6"	Single	38' - 11"	38' - 11"
8"	Single	45' - 1"	45' - 1"

Temperature Differential of 50°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	14' - 0"	17' - 9"
2.75"	Single	18' - 0"	22' - 7"
3"	Single	19' - 4"	24' - 2"
4"	Single	24' - 2"	29' - 11"
5"	Single	28' - 7"	35' - 3"
6"	Single	32' - 9"	38' - 11"
8"	Single	39' - 10"	45' - 1"

Temperature Differential of 75°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	11' - 7"	15' - 4"
2.75"	Single	15' - 2"	19' - 10"
3"	Single	16' - 4"	20' - 4"
4"	Single	20' - 9"	26' - 9"
5"	Single	24' - 10"	31' - 10"
6"	Single	28' - 8"	36' - 6"
8"	Single	35' - 5"	44' - 11"

Temperature Differential of 100°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	9' - 8"	13' - 3"
2.75"	Single	12' - 10"	17' - 5"
3"	Single	13' - 11"	18' - 9"
4"	Single	17' - 10"	23' - 10"
5"	Single	21' - 7"	28' - 6"
6"	Single	25' - 1"	33' - 1"
8"	Single	31' - 4"	41' - 0"



QuadCore® KS Shadowline Interior and KS Flat Interior

Allowable Load / Span Tables

Facer Gauges: 26ga exterior/26ga interior
Interior Design Loads: +/- 5 psf

Temperature Differential EXCLUDED			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	19' - 3"	21' - 11"
2.75"	Single	23' - 11"	26' - 0"
3"	Single	25' - 5"	27' - 2"
4"	Single	29' - 10"	29' - 10"
5"	Single	35' - 5"	35' - 5"
6"	Single	38' - 11"	38' - 11"
8"	Single	45' - 1"	45' - 1"

Temperature Differential of 50°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	13' - 9"	17' - 3"
2.75"	Single	17' - 8"	22' - 1"
3"	Single	18' - 11"	23' - 7"
4"	Single	23' - 8"	29' - 3"
5"	Single	28' - 0"	34' - 6"
6"	Single	32' - 0"	38' - 11"
8"	Single	39' - 1"	45' - 1"

Temperature Differential of 75°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	11' - 5"	15' - 1"
2.75"	Single	15' - 0"	19' - 5"
3"	Single	16' - 2"	20' - 11"
4"	Single	20 - 5"	26' - 3"
5"	Single	24' - 6"	31' - 2"
6"	Single	28' - 3"	35' - 10"
8"	Single	34' - 10"	44' - 0"

Temperature Differential of 100°F			
Panel Thickness	Span Condition	L/180 Deflection	L/120 Deflection
2"	Single	9' - 7"	13' - 1"
2.75"	Single	12' - 9"	17' - 2"
3"	Single	13' - 9"	18' - 6"
4"	Single	17' - 8"	23' - 6"
5"	Single	21' - 4"	28 - 1"
6"	Single	24' - 10"	32' - 6"
8"	Single	30' - 11"	40' - 3"



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