

QuadCore® B Designwall 2000R Allowable Load / Span Tables

Facer Gauges: 22ga exterior/24ga interior
Support Steel: 12ga or heavier

12" Wide								
Panel Thickness	Span Condition	Negative Wind Pressure						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
2.5"	Single	12'-7"	11'-4"	10'-5"	9'-6"	8'-8"	8'-1"	7'-7"
	Double	14'-8"	12'-10"	11'-6"	10'-6"	9'-8"	9'-0"	8'-6"
	Multiple	15'-3"	13'-9"	12'-6"	11'-5"	10'-6"	9'-10"	9'-3"
3"	Single	13'-11"	12'-4"	11'-2"	10'-3"	9'-7"	8'-11"	8'-4"
	Double	14'-7"	12'-9"	11'-4"	10'-4"	9'-6"	8'-10"	8'-3"
	Multiple	15'-10"	13'-9"	12'-3"	11'-1"	10'-3"	9'-6"	8'-11"
4"	Single	15'-3"	13'-5"	12'-1"	11'-1"	10'-3"	9'-6"	8'-8"
	Double	13'-4"	11'-6"	10'-2"	9'-2"	8'-5"	7'-9"	7'-3"
	Multiple	14'-3"	12'-3"	10'-10"	9'-10"	9'-0"	8'-4"	7'-10"

Deflection Limit:	L/180
Fastening Method:	Standard 3-hole concealed clip w/ (2) 1/4" TEK 3 fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	12 ga, grade 50, (F _u =65 ksi)
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (1450 lbs/fastener)

16" Wide								
Panel Thickness	Span Condition	Negative Wind Pressure						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
2.5"	Single	12'-6"	11'-3"	10'-3"	9'-4"	8'-7"	7'-11"	7'-5"
	Double	14'-4"	12'-6"	11'-3"	10'-3"	9'-5"	8'-9"	7'-11"
	Multiple	15'-1"	13'-8"	12'-3"	11'-1"	10'-3"	9'-7"	8'-10"
3"	Single	13'-7"	12'-1"	10'-11"	10'-0"	9'-4"	8'-8"	7'-9"
	Double	14'-4"	12'-5"	11'-1"	10'-1"	9'-3"	8'-7"	8'-0"
	Multiple	15'-6"	13'-5"	11'-11"	10'-10"	10'-0"	9'-3"	8'-8"
4"	Single	14'-10"	13'-1"	11'-10"	10'-10"	10'-0"	9'-0"	8'-1"
	Double	13'-1"	11'-3"	9'-11"	8'-11"	8'-2"	7'-6"	7'-0"
	Multiple	13'-11"	12'-0"	10'-7"	9'-7"	8'-9"	8'-1"	7'-7"

Deflection Limit:	L/180
Fastening Method:	Standard 3-hole concealed clip w/ (2) 1/4" TEK 3 fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	12 ga, grade 50, (F _u =65 ksi)
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (1450 lbs/fastener)

Notes to tables: 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.

QuadCore® B Designwall 2000R Allowable Load / Span Tables

Facer Gauges: 22ga exterior/24ga interior
Support Steel: 12ga or heavier

20" Wide								
Panel Thickness	Span Condition	Negative Wind Pressure						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
2.5"	Single	12'-5"	11'-1"	10'-1"	9'-3"	8'-6"	7'-10"	7'-0"
	Double	14'-1"	12'-4"	11'-0"	10'-0"	8'-9"	7'-9"	7'-0"
	Multiple	15'-0"	13'-5"	12'-0"	10'-11"	9'-8"	8'-7"	7'-9"
3"	Single	13'-5"	11'-10"	10'-9"	9'-11"	9'-0"	8'-0"	7'-3"
	Double	14'-1"	12'-3"	10'-11"	9'-11"	9'-1"	8'-2"	7'-4"
	Multiple	15'-3"	13'-2"	11'-9"	10'-8"	9'-9"	9'-0"	8'-1"
4"	Single	14'-7"	12'-11"	11'-8"	10'-8"	9'-6"	8'-5"	7'-7"
	Double	12'-10"	11'-0"	9'-9"	8'-9"	8'-0"	7'-5"	6'-10"
	Multiple	13'-8"	11'-9"	10'-5"	9'-4"	8'-7"	7'-11"	7'-5"

Deflection Limit:	L/180
Fastening Method:	Standard 3-hole concealed clip w/ (2) 1/4" TEK 3 fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	12 ga, grade 50, (F _u =65 ksi)
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (1450 lbs/fastener)

24" Wide								
Panel Thickness	Span Condition	Negative Wind Pressure						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
2.5"	Single	12'-4"	11'-0"	10'-0"	9'-2"	8'-1"	7'-2"	6'-6"
	Double	13'-11"	12'-0"	10'-0"	8'-7"	7'-6"	6'-8"	6'-0"
	Multiple	14'-11"	13'-3"	11'-1"	9'-6"	8'-4"	7'-5"	6'-8"
3"	Single	13'-3"	11'-9"	10'-8"	9'-6"	8'-4"	7'-5"	6'-8"
	Double	13'-11"	12'-1"	10'-7"	9'-1"	8'-0"	7'-1"	6'-4"
	Multiple	15'-0"	13'-0"	11'-7"	10'-0"	8'-9"	7'-9"	7'-0"
4"	Single	14'-6"	12'-9"	11'-6"	10'-0"	8'-9"	7'-9"	7'-0"
	Double	12'-8"	10'-11"	9'-7"	8'-8"	7'-10"	7'-3"	6'-9"
	Multiple	13'-6"	11'-7"	10'-3"	9'-3"	8'-5"	7'-10"	7'-3"

Deflection Limit:	L/180
Fastening Method:	Standard 3-hole concealed clip w/ (2) 1/4" TEK 3 fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Support Steel Properties:	12 ga, grade 50, (F _u =65 ksi)
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (1450 lbs/fastener)

Notes to tables: 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.

Contact Details

USA

Columbus, OH: 888-332-5862
Modesto, CA: 800-377-5110

info.na@kingspanpanels.com
www.kingspanpanels.us



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