

QuadCore® B Designwall 2000R Allowable Load / Span Tables

Facer Gauges: 22ga exterior/24ga interior
Support Steel: All support gauges

12" Wide								
Panel Thickness	Span Condition	Postive 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	13'-1"	11'-9"	10'-8"	9'-11"	9'-3"	8'-8"	8'-3"
	Multiple	14'-2"	12'-7"	11'-6"	10'-7"	9'-11"	9'-4"	8'-10"
3"	Single	14'-0"	12'-6"	11'-5"	10'-6"	9'-8"	8'-11"	8'-4"
	Double	13'-7"	12'-1"	11'-0"	10'-2"	9'-5"	8'-10"	8'-4"
	Multiple	14'-6"	12'-11"	11'-8"	10'-9"	10'-0"	9'-5"	8'-11"
4"	Single	16'-0"	14'-2"	12'-9"	11'-7"	10'-9"	10'-0"	9'-5"
	Double	14'-1"	12'-5"	11'-2"	10'-2"	9'-5"	8'-9"	8'-3"
	Multiple	14'-9"	13'-0"	11'-9"	10'-9"	9'-11"	9'-3"	8'-9"

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
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners

16" Wide								
Panel Thickness	Span Condition	Postive 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	12'-8"	11'-4"	10'-4"	9'-7"	8'-11"	8'-5"	7'-11"
	Multiple	13'-8"	12'-2"	11'-1"	10'-3"	9'-7"	9'-0"	8'-6"
3"	Single	13'-10"	12'-5"	11'-3"	10'-5"	9'-7"	8'-10"	8'-3"
	Double	13'-2"	11'-9"	10'-8"	9'-10"	9'-1"	8'-7"	8'-1"
	Multiple	14'-1"	12'-6"	11'-4"	10'-5"	9'-8"	9'-1"	8'-7"
4"	Single	15'-11"	14'-0"	12'-7"	11'-6"	10'-8"	9'-11"	9'-3"
	Double	13'-7"	12'-0"	10'-10"	9'-10"	9'-1"	8'-6"	7'-11"
	Multiple	14'-3"	12'-7"	11'-4"	10'-4"	9'-7"	8'-11"	8'-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
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners

Notes to tables: Spans shown are for postive 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.

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Facer Gauges: 22ga exterior/24ga interior
Support Steel: All support gauges

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

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
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners

24" Wide								
Panel Thickness	Span Condition	Postive Wind Pressure						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
2.5"	Single	12'-4"	11'-1"	10'-2"	9'-3"	8'-5"	7'-9"	7'-3"
	Double	12'-3"	10'-11"	10'-0"	9'-2"	8'-7"	8'-1"	7'-8"
	Multiple	13'-2"	11'-9"	10'-8"	9'-10"	9'-2"	8'-7"	8'-2"
3"	Single	13'-9"	12'-3"	11'-2"	10'-3"	9'-5"	8'-8"	8'-1"
	Double	12'-9"	11'-4"	10'-3"	9'-5"	8'-9"	8'-3"	7'-9"
	Multiple	13'-6"	12'-0"	10'-10"	10'-0"	9'-3"	8'-8"	8'-3"
4"	Single	15'-9"	13'-11"	12'-6"	11'-5"	10'-6"	9'-9"	9'-2"
	Double	13'-2"	11'-7"	10'-5"	9'-5"	8'-6"	7'-9"	7'-2"
	Multiple	13'-9"	12'-1"	10'-10"	9'-11"	9'-2"	8'-6"	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
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners

Notes to tables: Spans shown are for postive 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.

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