

QuadCore® B Vale® Wall Panel Allowable Load / Span Tables

Facer Gauges: 22ga exterior/24ga interior
Support Steel: 14ga and thicker

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

Deflection Limit:	L/180
Fastening Method:	Standard 2-hole concealed clip w/ (2) 1/4" TEK3 fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Steel Properties:	14 ga, grade 50, (FU=65 ksi)
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (1036 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.

Facer Gauges: 22ga exterior/24ga interior
Support Steel: 16ga and thicker

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

Deflection Limit:	L/180
Fastening Method:	Standard 2-hole concealed clip w/ (2) 1/4" TEK3 fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Steel Properties:	16 ga, grade 50, (FU=65 ksi)
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (829 lbs/fastener)



QuadCore® B Vale® Wall Panel Allowable Load / Span Tables

Facer Gauges: 22ga exterior/24ga interior
Support Steel: 12ga and thicker

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

Deflection Limit:	L/180
Fastening Method:	Standard 2-hole concealed clip w/ (2) 1/4" TEK fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Steel Properties:	12 ga, grade 50, (FU=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.

Facer Gauges: 22ga exterior/24ga interior
Support Steel: 1/8" or Heavier

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

Deflection Limit:	L/180
Fastening Method:	Standard 2-hole concealed clip w/ (2) 1/4" TEK fasteners
Wind Pressure:	Unfactored, ASD, Service Loads
Thermal Differential:	Is EXCLUDED
Minimum Steel Properties:	1/8" STL, Grade A36, (FU= 58ksi)
Fastener pull-out values:	Based on published data for 1/4"-14 Triangle Blazer fasteners (1547 lbs/fastener)



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