

Kingspan 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	11'-1"	8'-11"	7'-5"	6'-4"	5'-6"	4'-11"	4'-5"
	Double	8'-5"	6'-9"	5'-8"	4'-10"	4'-3"	3'-9"	3'-4"
	Multiple	9'-4"	7'-6"	6'-3"	5'-4"	4'-8"	4'-2"	3'-9"
4"	Single	11'-1"	8'-11"	7'-5"	6'-4"	5'-6"	4'-11"	4'-5"
	Double	8'-7"	6'-11"	5'-9"	4'-11"	4'-3"	3'-9"	3'-5"
	Multiple	9'-5"	7'-6"	6'-3"	5'-4"	4'-8"	4'-2"	3'-9"

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)

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	11'-1"	8'-11"	7'-5"	6'-4"	5'-6"	4'-11"	4'-5"
	Double	7'-7"	6'-1"	5'-1"	4'-4"	3'-10"	3'-4"	3'-0"
	Multiple	8'-5"	6'-9"	5'-7"	4'-9"	4'-2"	3'-9"	3'-4"
4"	Single	11'-1"	8'-11"	7'-5"	6'-4"	5'-6"	4'-11"	4'-5"
	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)

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.



Kingspan Vale™ Wall Panel Allowable Load / Span Tables

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

36" Wide								
Panel Thickness	Span Condition	Positive Wind Pressure						
		20 PSF	25 PSF	30 PSF	35 PSF	40 PSF	45 PSF	50 PSF
3"	Single	15'-10	14'-6"	13'-5"	12'-6"	11'-9"	10'-8"	9'-9"
	Double	13'-3"	11'-11"	10'-10"	10'-1"	9'-5"	8'-10"	8'-5"
	Multiple	14'-5"	12'-10"	11'-8"	10'-9"	10'-0"	9'-5"	8'-11"
4"	Single	18'-9"	16'-11"	15'-7"	14'-3"	12'-8"	11'-6"	10'-6"
	Double	15'-0"	13'-5"	12'-2"	11'-3"	10'-6"	9'-10"	9'-4"
	Multiple	16'-0"	14'-2"	12'-10"	11'-10"	11'-0"	10'-4"	9'-9"

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



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