Engineering

WIND LOADING SPAN TABLE

Table 1.0 ‡: Aluclick - Outdoor louvre application, Section Profile: SPW201 (100mm deep beam)

Wind Load Region	Fixing type	Max Span(m)	Max Cantilever(m)
A, W, B	100mm SPW204	3.0	1.5
A, W, B	290mm SPW204	6.0	1.5
C up to 10m high	290mm SPW204	6.0	1.5
C up to 15m high	100mm SPW204 with M6 bolt	3.0	1.5
D up to 10m high	290mm SPW204*	3.0	1.5
D up to 15m high	100mm SPW204 with M6 bolt*	3.0	1.5

Table 1.1 ‡: Aluclick - Outdoor louvre application, Section Profile: SPW203 (150mm deep beam)

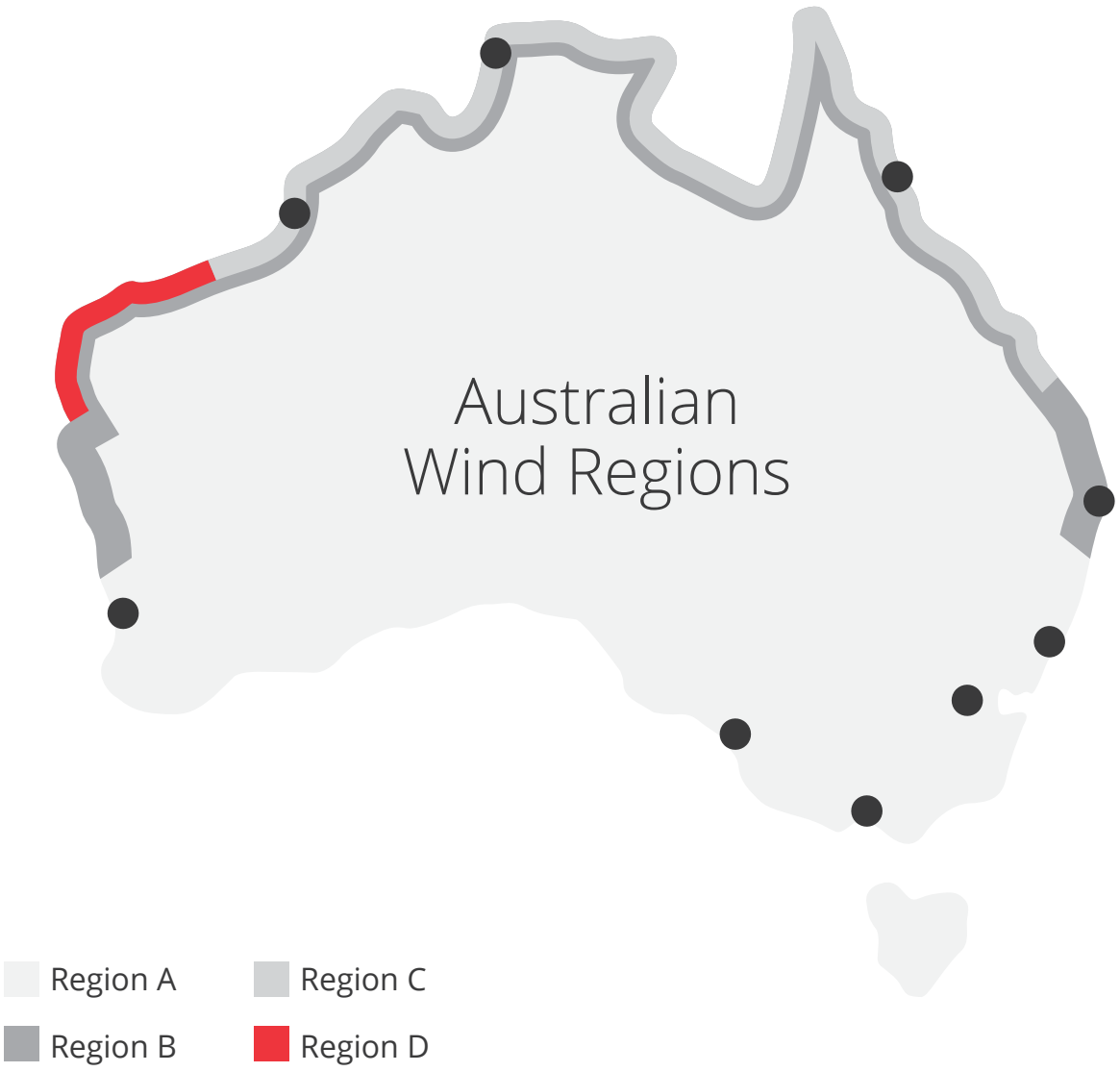
Wind Velocity	Fixing type	Max Span(m)	Max Cantilever(m)
A	100mm SPW204	3.0	1.5
W up to 10m	100mm SPW204	3.0	1.5
A, W, B	100mm SPW204 with M6 bolt*	6.0	1.5
C	100mm SPW204 with M6 bolt*	3.0	1.5
D up to 10m	100mm SPW204 with M6 bolt*	2.7	1.35
D up to 15m	100mm SPW204 with M6 bolt*	2.25	1.1

‡ Conditions on use of table

- The information in these tables is suitable for installation heights less than 15m above mean ground level unless noted otherwise.
- The spans quoted in these tables are for a single Aluclick section with the wind direction 45° to the major face, localised effects have not been accounted for.
- No live loads are applied to the louvre
- Refer to AS1170.2-2011 to determine the Wind zone classification for your installation area. Above calculations have been based on the following design parameters: Importance level 3, Terrain Category 2, Mz,cat = 1.0 or 1.05 for 10m and 15m high respectively, Mt= Ms = 1, Cp,net = 1.2.

* Light weight steel framing not suitable for these applications.

Engineering



NOTES

Region A is Normal
Region B is Intermediate
Region C is Cyclonic
Region D is Severe Cyclonic

All New Zealand is Region A except for the coastal regions of Wellington and Blenheim which are Region W.