

REGIONAL WIND SPEED TO IMPACT REQUIREMENTS

Region C: Cyclonic Area

Importance Level	Incidence	Wind Speed (m/sec)	Wind Speed (km/h)	Impact Speed (m/s)	Invisi-Maxx Mesh Size* (mm)	Pass
1	V200	61	219.6	25.6	0.8	✓
2	V500	66	237.6	27.7	0.8	✓
3	V1000	70	252	29.4	0.8	✓
4	V2000	73	262.8	30.7	0.8	✓
5	V10000	81	291.6	34.0	0.8	✓

Region D: Cyclonic Area

Importance Level	Incidence	Wind Speed (m/sec)	Wind Speed (km/h)	Impact Speed (m/s)	Invisi-Maxx Mesh Size* (mm)	Pass
1	V200	72	259.2	31.7	0.8	✓
2	V500	80	288	35.2	0.8	✓
3	V1000	85	306	37.4	1.2	✓
4	V2000	90	324	39.6	1.2	✓
5	V10000	99	356.4	43.6	1.2	✓

*All Invisi-Maxx screens have been tested successfully and passed. Refer to cyclonic compliance brochure for details.



For importance levels of buildings and structures refer to NCC Volume 1 B1.2a, B1.2b

- Level 1** Building or structures presenting a low degree of hazard to life and other property in the case of failure.
E.g: Sheds or Barns.
- Level 2** Building or structures not included in importance levels 1,3 and 4.
E.g: Housing, Apartments, Commercial and Industrial Buildings.
- Level 3** Building or structures that are designed to contain a large number of people.
E.g: Schools or Age Care Facilities
- Level 4** Building or structures that are essential to post-disaster recovery or associated with hazardous facilities.
E.g: Hospitals, Emergency Shelters
- Level 5** Building or structures that have special functions or whose failure poses catastrophic risk to a large area or number of people.
E.g: Major Dams or Extreme Hazard Facilities.



Regional Wind Speed is from AS1170.2 Section 3 table 3.1
Factors for Regions C and D AS1170 Section 3.4
Impact loading from wind borne debris AS1170.2, Section 2.5.7