

Adverse Weather : High Winds

This information is relevant to all clients but particularly those holding events in the Autumn, Winter and Spring months...

All temporary structures have their limits as to the wind speeds (the 'wind loading') that they can withstand and in the event of high winds **it may be necessary to cancel or, where possible, delay erecting marquees. In some circumstances, marquees and the surrounding area will need to be evacuated** if there is a likelihood of structural failure*.

Marquees should, in any event, be closed down when not in use and it is recommended not to have open frontage facing strong prevailing winds. It is the client's responsibility to take appropriate action.

Our marquees' maximum design wind speeds (correctly constructed and assuming good anchorage) are:

<u>Marquee</u>		<u>Maximum</u>	<u>@ 75%</u>	<u>@ 90%</u>
9m (span)	-	63mph	47mph	57mph
12m (span)	-	80mph	60mph	72mph

When it comes to the safety of our equipment and, more importantly, our clients and all marquee users, Vagabond Marquees will monitor the risks presented by high winds and act as it sees fit.

In order to mitigate the risk of structural failure, broadly the following wind management plan will be implemented:

Level 1

When wind gust speeds** exceed 75% of the structure's operational maximum, along with a forecast of increasing wind speeds –

- i. If the tent is not already erected (or erection is in progress) it may be necessary to **delay or cancel** erection.
- ii. If the tent can safely be, or is already, erected:
 - **client to monitor marquee structure(s) during daylight hours**
 - double staking of each foot plate
 - guy ropes / ratchet straps added to the windward side
 - cross beams to replace portal beams

Level 2

When wind gust speeds** exceed 90% of the structure's operational maximum, along with a forecast of increasing wind speed there is a risk of structural failure – action to be taken:

- **marquee(s) & the immediate surrounding area must be evacuated**
- double staking of each foot plate
- guy ropes / ratchet straps added to each leg upright
- cross beams to replace any portal beams
- if possible, roof sheets to be removed (or at least the gables creating a tunnel) to reduce loading on the roof

Please note that in very exposed locations or where stake adhesion is lower than normal, the risks are higher and the above wind speed criteria will be adjusted accordingly.

*As per our Terms & Conditions, Vagabond Events reserves 'the right, in its absolute discretion, to delay or cancel the erection of any marquee(s) or to require the evacuation of any marquee(s) &/or the cancellation of an event to be held in any marquee(s) due to health & safety considerations. In such an event the Company accepts no liability for any loss whatsoever.

**Vagabond Events uses MetOffice & other weather services (or on-site monitoring) for wind speeds & forecasting information