

Anchoring Requirements (Non-Certified Tents)

Non-certified tents are not engineered to meet specific wind loads. Wind loads are approximate and are generally rule of thumb calculations used in the industry based on actual field experience. Windload of a non-certified tent will vary to a maximum of approximately 30 to 50 mph dependent upon the style of type of tent. The structural integrity of the tent may exceed the soil's holding capacity even at wind loads of 30 to 50 mph.

For safety of all occupants, evacuation is recommended if weather becomes severe.

Severe storms have micro bursts of wind that may be recorded far in excess of the storm's highest winds. The installer is responsible for properly securing the temporary structure (tent). Soil conditions will vary and the wind loads that the temporary structure can handle could be significantly below its wind load capabilities.

Tent Size	Sq. Ft.	Total Anchor Pounds	Safety Factor	Anchor Locations	Holding Power Required at Each Anchor Location
15 x 15	225	2880	2.0	12	240 lbs.*
20 x 20	400	5120	2.0	12	427 lbs.*
20 x 30	600	7680	2.0	14	548 lbs.*
20 x 40	800	10240	2.0	16	640 lbs.*
30 x 30	900	11520	2.0	20	576 lbs.*
30 x 45	1350	17280	2.0	24	720 lbs.*
30 x 60	1800	23040	2.0	28	823 lbs.*

*Holding power is based on firm soil conditions. If other conditions prevail, the holding power will decrease and alternate anchoring methods are required.



TopTec Products, LLC in no way represents the estimated holding power to be true in all cases. It is an **estimate**, and as such does not imply that the figures are sufficient to hold any tent securely in windy or adverse weather conditions. The tent installer accepts sole responsibility for the safe installation, teardown, and maintenance of any tent. TopTec does not represent in any way that the materials provided with the purchase of the tent are sufficient enough to hold it up in windy or adverse weather conditions. There is no way for TopTec to know the site conditions or the weather conditions at the event to be able to recommend the adequate amount of holding power needed to hold the tent safely in position. Furthermore, we are not responsible for the methods which the installer uses to erect the tent or anchor it in position. Installers **MUST** be empowered to deem the tent unsafe for occupancy if/when the weather becomes unstable. For further recommendations on determining necessary staking values, please consult the IFAI Procedural Handbook for the Safe Installation and Maintenance of Tentage and the IFAI's Pullout Capacity of Tent Stakes. These resources are available from the IFAI Tent Rental Division.