



Wind Load 100kmh Tested Party Marquee Tent Heavy Duty Anchored Frame Aluminum Engineering Certified Canopy Structure

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: CE, ISO 9001, Wind Load Test, Structural Calc Report
- Model Number: TDT-WL100
- Minimum Order Quantity: 25 Square Meters
- Price: USD 45-75 per Square Meter
- Packaging Details: Heavy duty anchor plates in separate reinforced crate; wind bracing cables coiled and labeled; standard tent packaging for remaining components
- Delivery Time: 15-25 working days
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 50000 Square Meters per Month



Product Specification

- Wind Load Rating: 100km/h 62mph Certified
- Anchor Type: Ground Stake 1.2m + Concrete Weight Plate 1 Ton
- Wind Bracing: Steel Cable Cross Bracing 6mm Diameter
- Connection Reinforcement: Double Gusset Plate At All Joints
- Engineering Report: PE Stamped Structural Calculation Available
- Frame Material: Hard Pressed Extruded Aluminum Alloy 6061 T6
- Roof Cover: 850g/sqm Double Coated PVC Polyester Fabric
- Highlight: **heavy duty party marquee tent, wind load tested canopy structure, aluminum frame anchored marquee**

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Product Description

100km/h Wind Load Tested Party Marquee Tent for European Coastal Locations

For exposed coastal venues in Netherlands, UK, and Scandinavia, our heavy duty Party Marquee Tent delivers certified structural integrity rated for sustained winds up to 100km/h (Beaufort Scale 10). PE stamped structural calculation reports provided for insurance and permit requirements.

Wind Load Engineering Specifications

Parameter	Standard Value	Heavy Duty Upgrade
Wind Speed Rating	80km/h	100km/h
Anchor Type	Ground stake 0.8m	Stake 1.2m + 1-ton concrete plate
Wind Bracing	None	6mm steel cable cross bracing
Connections	Single gusset	Double gusset plate all joints
Engineering Report Standard		PE stamped per EN 1991-1-4

European Wind Safety Features

EN 1991-1-4 Eurocode wind action compliance with PE stamped calculations
 Emergency wind release panels on sidewalls to reduce lateral pressure
 Redundant anchor points: 4 per column on heavy duty configuration
 Full scale static load testing on each design configuration
 Post-storm inspection checklist provided with each unit

Frequently Asked Questions

Q: Will this tent pass UK local authority safety inspections?

A: Yes. Our PE stamped structural calculations are accepted by UK local authorities for event licensing. We provide complete engineering documentation meeting HSE and CDM regulations.

Q: Can this tent be used year-round in windy coastal areas?

A: Yes, with the heavy duty anchor configuration and proper installation. We recommend annual anchor inspection and wind bracing tension checks for permanent installations.



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