



Wind-Resistant Premium Party Marquee Tents Extruded Aluminum Alloy Frame Reinforced Structure Canopy

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: ISO 9001:2015, CE, SGS
- Model Number: Tendars
- Minimum Order Quantity: 100sqm
- Price: \$35/sqm
- Packaging Details: Steel frame wrapped in foam and PE film, PVC cover folded in waterproof bag, export-grade wooden pallet
- Delivery Time: 10-25 working days for heavy duty orders
- Payment Terms: T/T,L/C,Western Union
- Supply Ability: 200 Sets per Month



Product Specification

- Cover Material: 850gsm PVC Outer + Insulated Liner
- Frame Construction: Hot-Dip Galvanized Steel Q235
- Eave Height: 2.5m – 3.5m
- Thermal Insulation: R-Value 2.5
- Wind Resistance: 85 Km/h
- Ridge Height: 3.5m – 5.5m
- Highlight: **Double Layer Insulated Marquee Tent, Thermal Roof Heavy Duty Construction, 850gsm PVC Steel Frame System**

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Double Layer Thermal Insulated Heavy Duty Construction Party Marquee Tent Steel Frame 850gsm PVC Roof System

Double Layer Thermal Insulated Construction Party Marquee Tent

Our premium heavy duty construction party marquee tent is engineered to deliver exceptional structural integrity and long-term reliability. Built with hot-dip galvanized steel Q235 and 850gsm PVC outer + insulated inner liner, this tent is designed to withstand demanding environmental conditions while providing spacious, weather-protected event space.

Heavy Duty Construction Features

- Robust Frame Construction:** Hot-Dip Galvanized Steel Q235 provides superior strength-to-weight ratio and excellent corrosion resistance
- Premium Cover Material:** 850gsm PVC Outer + Insulated Inner Liner with double-stitched seams, welded joints, and reinforced stress points
- Wind Resistance:** Engineered and tested to withstand wind speeds of Up to 85 km/h with proper anchoring
- Snow Load Capacity:** Structural design rated for 0.4 kN/m² snow load accumulation
- Modular Bay System:** Width range 5m - 15m, length extendable 3m - 30m in 3m increments
- Professional Engineering:** Each structure undergoes computational structural analysis for your specific site conditions
- Hot-Dip Galvanized Connectors:** All steel connectors and fasteners are hot-dip galvanized to prevent rust
- Reinforced Eaves and Ridges:** Additional bracing at all critical load transfer points

Heavy Duty Construction Standards

Our heavy duty tent construction adheres to rigorous engineering standards:

- Material Selection:** Only certified structural-grade aluminum alloy and galvanized steel with full material traceability
- Weld Inspection:** All welded joints undergo visual and dimensional inspection per ISO 9001 standards
- Load Testing:** Frame assemblies are subjected to static load testing at 1.5x design load
- Cover Testing:** PVC fabric tested for tensile strength, tear resistance, and UV aging per ISO 9001
- Pre-Delivery Assembly:** Complete trial assembly in factory to verify fit, alignment, and structural integrity
- Quality Documentation:** Mill certificates, test reports, and inspection records provided with each order

Applications

Ideal for outdoor weddings, corporate events, trade exhibitions, music festivals, temporary warehousing, disaster relief shelters, and sports facilities requiring heavy duty structural performance and extended service life.

Technical Specifications

Frame Construction	Hot-Dip Galvanized Steel Q235
Cover Material	850gsm PVC Outer + Insulated Liner
Width Range	5m - 15m
Length Range	3m - 30m
Eave Height	2.5m - 3.5m
Ridge Height	3.5m - 5.5m
Wind Resistance	Up to 85 km/h
Snow Load	0.4 kN/m ²


Contact our engineering team for site-specific structural calculations and heavy duty construction specifications.



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