



Heavy-Duty Large-Span Party Marquee Tents Extruded Aluminum Alloy Frame Ground Bar Kit Canopy Structure

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 UV Stabilized PVC Polyester
- Frame Construction: 6061-T6 Aluminum Alloy Corrosion Resistant
- Eave Height: 2.5m – 3.5m
- Wind Resistance: 90 Km/h
- Snow Load: 0.35 KN/m²
- Temperature Range: -25°C To +55°C
- Highlight: **All Weather Heavy Duty Party Tent, Multi Season Marquee Construction, UV Protected 850gsm PVC Frame**

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Product Description

All Weather Multi Season Heavy Duty Construction Party Marquee Tent UV Protected 850gsm PVC Aluminum Frame

All Weather Multi Season 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 6061-T6 aluminum alloy corrosion resistant framework and 850gsm UV stabilized PVC polyester, this tent is designed to withstand demanding environmental conditions while providing spacious, weather-protected event space.

Heavy Duty Construction Features

- Robust Frame Construction:** 6061-T6 Aluminum Alloy Corrosion Resistant provides superior strength-to-weight ratio and excellent corrosion resistance
- Premium Cover Material:** 850gsm UV Stabilized PVC Polyester with double-stitched seams, welded joints, and reinforced stress points
- Wind Resistance:** Engineered and tested to withstand wind speeds of up to 90 km/h with proper anchoring
- Snow Load Capacity:** Structural design rated for 0.35 kN/m² snow load accumulation
- Modular Bay System:** Width range 4m - 12m, length extendable 3m - 25m 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 3834 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 1421
- 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	6061-T6 Aluminum Alloy Corrosion Resistant
Cover Material	850gsm UV Stabilized PVC Polyester
Width Range	4m - 12m
Length Range	3m - 25m
Eave Height	2.5m - 3.5m
Ridge Height	3.5m - 5.0m
Wind Resistance	Up to 90 km/h
Snow Load	0.35 kN/m ²


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



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