



Fire-Retardant Wide Party Marquee Tents Extruded Aluminum Alloy Frame PVC Canopy Shelter Structure

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: ISO 9001:2015, CE, SGS, TUV
- 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: 200sets per Month



Product Specification

- Frame Construction: Hard Pressed Extruded Aluminium Alloy 6061/T6
- Cover Material: 850gsm Double PVC Coated Polyester
- Width Range: 10m – 40m Clear Span
- Length Range: 10m To Endless By 3m Bays
- Eave Height: 3.0m – 5.0m
- Ridge Height: 5.5m – 10.0m
- Wind Resistance: 100 Km/h
- Snow Load: 0.5 KN/m²
- Clear Span Width: Up To 40m No Columns
- Fire Retardancy: DIN 4102(B1), NFP92 507
- Highlight: **Extra Large Span Heavy Duty Tent, 25m Clear Span Marquee Construction, 900gsm PVC Exhibition Hall Cover**

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Product Description

Extra Large Clear Span Construction Party Marquee Tent

The Hard pressed extruded aluminium alloy 6061/T6 is a premium heavy duty construction party marquee tent engineered to deliver exceptional structural integrity and long-term reliability. Built with aluminium alloy 6061/T6 and 850gsm pvc laminated polyester, this tent is designed to withstand demanding environmental conditions while providing spacious, weather-protected event space.

Heavy Duty Construction Features

Robust Frame Construction: Heavy duty aluminium alloy 6061/T6 provides superior strength-to-weight ratio and excellent corrosion resistance

Premium Cover Material: 850gsm PVC Laminated Polyester white, block-out, water-proof, UV resistant, EUR fire retardant DIN4102 B1/M2/B1, snow resistance, tear resistance. Temperature resistance(°C): -40°C-70°C.

Wind Resistance: Engineered and tested to withstand wind speeds of Up to 100 km/h with proper anchoring

Snow Load Capacity: Structural design rated for 0.5 kN/m² snow load accumulation

Modular Bay System: Width range 10m - 40m, length extendable 10m - 60m 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	Aluminium alloy 6061/T6
Cover Material	850gsm PVC Double PVC coated polyester
Width Range	10m - 40m
Length Range	10m to endless
Eave Height	3.0m - 5.0m
Ridge Height	5.5m - 10.0m
Wind Resistance	Up to 100 km/h
Snow Load	0.5 kN/m ²

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



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