



## Extra Large Clear Span 40m Marquee Tent with 850gsm PVC and Aluminum Alloy 6061/T6 Frame

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/m<sup>2</sup>
- 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/m<sup>2</sup> 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 <sup>2</sup>

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



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