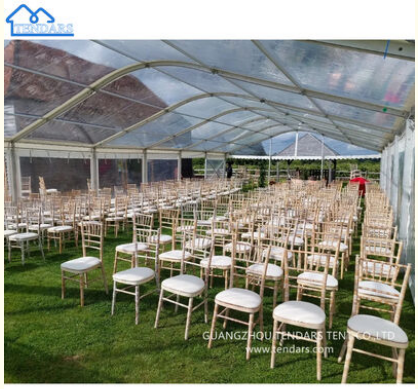


Curved Roof Indoor Tennis Court Sports Hall Marquee Tent Clear Span Anti Condensation Canopy

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Tendars
- Certification: ISO9001, SGS, COC, CE
- Model Number: TDS-CR18X60
- Minimum Order Quantity: 200 square meters
- Price: USD 45-62 / Square Meter
- Packaging Details: Curved beams in timber cradles per bay, roof fabric in numbered bags, lining on cores, sports flooring in sealed cartons
- Delivery Time: 25 days production after deposit and drawing approval. Sea freight time depends on your destination port. Installation time varies with the project and site access.
- Payment Terms: T/T 30% deposit, 60% before loading, 10% after installation check; L/C at sight
- Supply Ability: 50000 Square Meters per Month



Product Specification

- Span Width: 18m
- Length: 60m (12 Bays Of 5m)
- Eave Height: 4m
- Crown Height: 6.2m
- Floor Area: 1080 Square Meters
- Area Per Guest: 1.2 To 2 Sqm, 540 To 900 People
- Main Frame: 203 X 112 X 4mm Curved Aluminium 6061/T6
- Base Plate: 350 X 350mm Hot Dip Galvanised Steel
- Lining: 320gsm Anti Condensation Lining With Fleece Backing
- Ventilation: Low Level Louvres Plus 2 Ridge Extractors
- Wind Load: 0.45 KN/sqm
- Frame Life Span: 20+ Years
- Production Time: 25 Days
- Highlight: **Curved Roof Indoor Tennis Court Tent**

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Product Description

18m x 60m indoor racket sports hall

18m covers a tennis court width with runoff for the lines judges. 60m takes two courts end to end with a net divider. 4m to the eave clears a lobbed ball.

Details

A tennis court is 10.97m wide and needs 3.6m of runoff behind each baseline. An 18m span covers the width and leaves space for the umpire chair and the ball kids. That is why 18m became our default for racket clubs - the span follows the court, not the other way round.

The curved roof carries load along the arc into the eave instead of pushing straight down at a ridge, so the beam is lighter than an A-frame of the same span and the interior has no ridge beam crossing the sight line.

Area guide: 1.2 to 2 sqm per person. Around the courts, 1080 sqm leaves room for 300 to 500 spectators and a reception desk.

Size range and options

Span: 18m. Range 10m to 40m. 18m fits one tennis court, or two badminton courts across.
Length: 60m as standard, any multiple of 5m. Two courts need 48m plus 6m each end.
Eave: 4m. 5m for a multi-use hall with seating.
Roof: opaque white, or translucent strip along the crown for daylight.
Extras: sports PVC surface, padded wall panels, divider netting, 200W LED high bay, spectator benches.

Main components

Frame. 203 x 112 x 4mm curved aluminium 6061/T6, galvanised steel connectors, 350 x 350mm base plates. 20+ years.
Covers. 850gsm PVC roof to DIN 4102 B1, 650gsm walls. 320gsm anti-condensation lining with a 200gsm fleece backing inside the roof.
Drainage. Water runs off both curves into gutters at the eaves, so downpipes sit at the wall and not in the middle of the court.

Specification

Item	Specification
Clear span / length	18m / 60m, 12 bays of 5m
Eave / crown	4.0m / 6.2m
Frame	203 x 112 x 4mm curved aluminium 6061/T6
Roof	850gsm PVC, translucent skylight strip optional
Lining	320gsm anti condensation, white
Loads	Wind 0.45 kN/sqm, snow 0.4 kN/sqm
Frame life	20+ years

Why the lining is not optional

Thirty players in a sealed 1080 sqm hall put a lot of moisture in the air. It condenses under a cold PVC roof before dawn and drips onto the court. The fleece backed lining absorbs it and releases it as the hall warms; the louvres let the moisture leave. About USD 3.5 per sqm, and it is the difference between a court that is booked and a court that gets cancelled.

Floor build-up

Geotextile, adjustable feet at 600mm centres levelled to plus or minus 3mm, 18mm cassette, 6mm IXPE foam, then 4.5mm sports PVC. Lay the surface after the frame is closed - aluminium cuttings in the foam can be felt through the surface for years.

Production and installation

25 days production after deposit and drawing approval, plus freight. Eight workers, 12 to 15 days on site; surface laid 5 days later. *Installation is quoted separately: labour, air tickets, visa, food and accommodation are paid by the buyer. Send us the site address and we confirm crew size, days and cost.*

FAQ

How many courts fit? Two badminton courts across one 18m bay length, or one tennis court. Two tennis courts need 60m of length.
Is it warm enough in winter? With 4m eave and the lining, two 60kW indirect heaters hold 16 C at -5 C outside.
Can it be a permanent club building? Many clients run them as permanent. Expect to re-tension the fabric once every 12 to 18 months.

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