

Specification- Multi-Purpose Tent 8m × 5m

1. General

Type: Large multi-purpose shelter tent
Dimensions: 8.0 m × 5.0 m (40 m² covered area)
Ridge height: 2.6–3.2 m
Side wall height: 2.0 m
Packaged weight: ~230–280 kg (complete set)

2. Frame (Steel Structure)			
Item	Specification	Qty	Unit
Main upright poles	Galvanized steel tube Ø 48–50 mm, thickness 1.8–2.0 mm	~14–16 pcs	Each
Ridge & eave purlins	Galvanized steel tube Ø 42–48 mm, thickness 1.6–2.0 mm	~10–12 pcs	Each
Door frame supports	Galvanized steel, Ø 42–48 mm	4 pcs	Each
Corner & junction fittings	Steel, hot-dip galvanized	Full set	Lump sum
Anchoring system	Steel pins/pegs, 40–50 cm, heavy duty	~40 pcs	Each

3. Cover Fabrics			
Item	Specification	Qty	Unit
Roof sheet	Polyester/cotton or polyester with PVC coating, waterproof, UV stabilized, flame retardant, ~450–500 g/m ²	1 set	Lump sum
Side walls	Polyester/cotton or polyester, waterproof, UV stabilized, flame retardant, ~300–350 g/m ²	1 set	Lump sum
Groundsheet	Reinforced PE or PVC-coated polyester, ~500–550 g/m ² , rot-proof, waterproof	1 pc (8 × 5 m)	Each

4. Openings & Ventilation			
Item	Specification	Qty	Unit
Doors	2 large doors (each 2.0 m × 2.0 m), roll-up flap with zipper/rope closure	2 pcs	Each
Windows	4–6 windows with insect mesh + roll-up flap	4–6 pcs	Each
Ridge vents	Covered vents for airflow, insect mesh protected	2 pcs	Each

5. Guy Ropes & Tensioning			
Item	Specification	Qty	Unit
Guy ropes	Polypropylene, Ø 8–10 mm, UV stabilized	~40 pcs	Each
Tensioners	Wooden/metal tensioners for ropes	Full set	Lump sum

6. Accessories			
Item	Specification	Qty	Unit
Pegs	Steel, 40–50 cm, hot-dip galvanized	~40 pcs	Each
Hammer	Heavy duty (for pegs)	1 pc	Each
Repair kit	Matching fabric patches, glue, thread, needles	1 set	Set
Carry bags	Heavy duty PVC/PE, separate for frame, fabric, and accessories	3–4 pcs	Each

7. Performance Requirements

Wind resistance: up to 100 km/h (when properly anchored)
Snow load: 20–25 kg/m² (light snow)
Waterproofing: minimum 400 mm hydrostatic head
Fire retardancy: CPAI-84 / ISO 6941 standard
UV resistance: ≥ 300 hours
Expected lifespan: ≥ 5 years with proper maintenance