

Tent, Multi-purpose, 7.5x6m, 45m²

Overview

Specifications

Item code	3500000057
Unit weight	194 kg
Packed volume	0.68m ³

This tent is to the specification of IFRC/ICRC (see procurement.ifrc.org/catalogue).



Description

Standard tent for emergency field hospital, health center, storage, etc. Can be attached one to another to make a longer structure. The tent can be delivered with or without the following options:

- A bathtub ground sheet to cover the complete surface of the tent.
- An inner tent, with its own bathtub ground sheet, to increase the protection from heat, cold, wind, dust, insects, etc.
- A set of 5 partitions to create separate areas and closed cabins inside the inner tent.
- A shade net for hot climate to place over the tent (includes a specific frame), for an increased protection from heat.

This type of tent is especially designed for its resistance to wind, rain, micro-organisms. The polyester/cotton canvas combines strength, durability, waterproof, and breathing capacities.

Expected life span is 1 year in a tropical environment.

Disinfection: Chlorine will damage the canvas (0.2% concentration is a maximum advisable).

Setting up requires 8 persons, and take 2 hours (instructions included). Avoid setting it up under trees as this will lead to canvas rotting. Use all ground fixings to ensure the maximum wind resistance. Selection of types and manufacturers is to be handled by HQ technical and purchasing departments. Full specifications can be obtained at HQ. The specifications below defines the minimum quality for the main material of the tent. Adherence to these specifications is a good indication for pre-selecting interested manufacturers.

Specifications

- Outer tent dimension: 7,5 m long by 6 m width. Ridge height 3m. Side height 2.1m
- Four doors: 1 on each end with fast opening/closing system, and 1 on each side.
- Full width opening possible on both ends.
- 3 high ventilation windows on each side, with sun-visors/shutters, grill, and mosquito netting.
- 1 high ventilation window on each gable with shutter, canopy/sun-visor, and mosquito netting.
 - 2 electric cable passage at each gable (top of side wall).
 - x1 logo at **each** gable end to the right side of the door
 - 2pcs x "removable" IOM logos made on matching fabric 1m wide (shipped attached to walls and/or included with the assembly instruction).
 - Velcro strips at parallel sides for logo attachment, minimum of 100 mm-width all around and be of sufficient strength that logo panels will remain in place under normally anticipated use.

Specifications for the outer tent canvas

Denominations and norms	Required minimum values
Composition ISO 1833	Polyester/Cotton blended fibres yarns. Cotton: 40% (±10), polyester: 60% (±10) Polyester: 50% to 70%, balance cotton
Specific weight (g/m²) ISO 3801	440 g/m ² ± 10% in finished state for the roof 320 g/m ² ± 10% in finished state for the walls
Colour	Natural white, not dyed
Breathability	Minimum 2000g/m ² /24h
Tensile strength (N) – ISO 13934-1	Warp and weft 1200 N minimum.
Tear resistance, started (N) – ISO 9073-4	Warp and weft 60 N minimum.
Water-penetration resistance ISO 811 (Test pieces of plain canvas)	45hPa minimum for the roof, with increasing speed at 100 mm per minute. 30hPa minimum for the walls, with increasing speed at 100 mm per minute.
Water penetration resistance ISO 811 (Test pieces with seams)	12hPa minimum, with increasing speed at 100 mm per minute. Pieces of canvas with seam in the middle, to be immerse in water for 12h before testing.
Dimensional variation when soaked in water (ISO 7771)	Maximum 2%
Resistance to micro-organisms on tensile strength under ISO 13934-1 after BS6085 (soil burial - 28 days). (To apply on 10 test pieces of plain canvas and 10 test pieces with seams)	Maximum 30% of strength loss on minimum required value and maximum 50% strength loss on original value of the same product. For each type of test: 5 test pieces in warp 5 test pieces in weft.
Efficiency of water-repellent treatments after soaking in water. Same test as point 7 on samples soaked in water in point 9.	45hPa minimum, with increasing speed at 100 mm per minute.
Efficiency of fungicides product after soaking in water. Same test as point 10 on samples soaked in water in point 9.	Maximum 30% of strength loss on minimum required value and maximum 50% strength loss on original value of the same product. For each type of test: 5 test pieces in warp 5 test pieces in weft.
Tensile strength after exposure to UV and moisturizing (climatic simulation). Exposure in a climatic chamber under ISO4892-2, type A, 360 hours, followed by tensile test under ISO13934-1.	Maximum 30% of strength loss on minimum required value and maximum 50% strength loss on original value of the same product. For each type of test: 5 test pieces in warp and 5 test pieces in weft.

Specifications for the PVC coated fabric for the mud flaps

Denomination and norms	Required minimum values
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Specifications for the PVC coated fabric for the mud flaps

Composition (Number of yarns per cm)	Polyester 1100 dtex, PVC coated 2 sides. Chain and weft: 7 x 7 min.
Specific weight (g/m²) ISO 3801	540 g/m ² ±10%
Tensile strength ISO 1421	Warp 2000N minimum Weft 2000N minimum Elongation 15% to 30%
Bursting strength ISO 3303-B (10cm²)	2500 Kpa
Tear resistance - ISO 4674-1 (method B)	Warp 300N minimum Weft 100N minimum

Other Entries in this Topic

- [Emergency Relief Items Catalogue](#)

Contacts

For further support and information, contact the Shelter Team at HQ on sheltersupport@iom.int.

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