# Emergency Shelter Solutions

### Durable, Eco-Friendly, and Practical Solutions for Humanitarian Needs

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## Octagonal Family Tent

### General Description

Purpose: Short-term shelter for emergencies, accommodating a family of 5 (23 m² total). Expected lifespan: 1 year; shelf life: 5 years under proper storage. Design: Includes an outer tent, inner tent, integrated groundsheet, and vestibules. Lightweight, durable, and quick to assemble.

### Key Features

* - Eco-Friendly Design: Prioritizes sustainability, minimizing environmental impact.
* - Climate Compatibility: Suitable for hot, temperate, and cold climates.
* - Durability: UV-resistant, rot-proof, and waterproof materials.
* - Repairable Design: Comes with repair kits for long-term use.

### Specifications

* - Packed Dimensions: 230 x 30 x 30 cm approx.
* - Total Area: 23 m².
* - Weight: < 65 kg approx.
* - Outer Tent: Poly-cotton blend, flame-retardant, waterproof, and UV-resistant.

### Certifications

* - Flame retardancy, UV resistance, waterproofing, and rot-proofing standards met.

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## Winterization Kit for Octagonal Family Tent

### General Description

Designed to provide enhanced insulation and protection in extreme winter conditions. Kit includes all necessary components to winterize the Octagonal Family Tent.

### Key Features

* - Comprehensive Kit: Includes insulated sleeping mats, winterization liner, partition, fibrocement sheets, and chimney sleeve.
* - High-Quality Materials: Fire-retardant, waterproof, and eco-friendly materials.
* - Standards Compliance: Meets UNHCR/ICRC/IFRC specifications.

### Specifications

* - Insulated Floor Mats: Three-layer structure: plastic mat, aluminized canvas, and fleece blanket.
* - Winterization Liner: Rot-proof, fire-retardant canvas.
* - Chimney Sleeve: Heat-resistant canvas with Velcro.

### Certifications

* - Non-toxic materials.
* - Compliance with CPAI-84 flame-retardancy standards.

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## Wood/Coal Burning Steel Stove

### General Description

Efficient steel stove and heater, designed to fit the Octagonal Family Tent and other shelters. Suitable for both wood and coal fuel types.

### Key Features

* - Durability: Made from 2 mm steel with enamel or galvanized finishing.
* - Safety: Includes a steel grate, spark stopper, and tripod pipe stand for stability.
* - Complete Kit: Supplied with chimney pipes, bend connectors, ash removing bar, and assembly instructions.

### Specifications

* - Packing Dimensions: 88 x 30 x 40 cm.
* - Weight: Approx. 35 kg.
* - Components: 6 galvanized steel chimney pipes, 2 bend connectors, and a spark stopper.

### Certifications

* - Heat resistance, non-toxicity, and durability compliance.

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## Geodesic Tent

### General Description

Hexagonal footprint with an aluminum frame supported by five identical cross arches. Two-layer structure with outer tent and shade cover. Adaptable to all seasons with optional inner liner and winter modules.

### Key Features

* - Durable Construction: Designed to withstand wind loads up to 120 km/h.
* - Spacious Design: Total living area of 20 m² with a center height of 2.50 m.
* - Weather Resistance: High UV resistance, waterproof materials, and flame retardancy.

### Specifications

* - Dimensions: Length: 4.35 m, Width: 5.60 m, Door Height: 1.70 m.
* - Outer Tent: HDPE base fabric with LDPE coating (190 gsm).
* - Frame Material: 6061 T6 aluminum; tensile strength ≥310N/mm².

### Certifications

* - Flame retardancy, UV resistance, water penetration resistance, and non-toxicity compliance.

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## "Cradle Box"

### General Description

The Cradle Box is a multi-functional wooden box designed to serve as packaging for the geodesic tent and as a cradle for small children.

### Key Features

* - Eco-Friendly Design: Non-toxic materials, free from asbestos, and designed with child safety in mind.
* - Multi-Functional Use: Includes rockers for cradle functionality and ventilation holes for mattress use.
* - Complete Kit: Contains tent, inner tent, accessories, and additional child-safe items.

### Specifications

* - Box Dimensions: Approx. 105 x 55 x 55 cm.
* - Materials: Plywood (8mm-12mm), with non-toxic finishes.
* - Contents: Tent, inner tent, and accessories, Mattress, Baby Items (pillow, changing mat, blanket, teddy bear, chalk, and a children’s book).

### Certifications

* - Compliance with rotproof, non-toxicity, and other relevant standards.

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## Contact Information

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