



1(2)

Fact sheet RS Shelter.

RS Shelter = Refugee/Relief Staff Shelter from CAS AB.

Indoor area per module 19 m² (204.5 ft²)

Equipment, standard

1. Base: Frame of galvanized steel, with adjustable feet = high ground clearance.
2. Material floor, walls and roof: Sandwich construction with a surface of impact-resistant fiberglass reinforced plastic, with gel coat coating. After end of use the shelters can be disassembled and reused, or incinerated in an environmentally friendly way, without emission of adverse gases.
The shelter is easily cleaned and disinfected, effectively impeding spread of infection or contagious diseases
3. Wide entrance allowing wheel-chair access.
4. Adjustable ventilation for comfort.
5. Windows on two walls, that can be opened, allowing good light inlet.
6. Two walls without windows providing privacy even in densely populated areas.
7. All profiles in galvanized steel allow for fast assembly and disassembly.
8. Corner profiles designed to allow for modular system assembly.
9. Each shelter is supplied with a set of 100 pcs P-BAG, a unisex urine collecting biodegradable plastic bag.

Options

1. A system for drinking water, by collecting and treating rain water from the roof. The system includes gutters, downpipes, coal filter and a 400 liter water tank.
2. Electric power 120/230 V.
3. Solar cells, including back-up battery, with capacity to run a small refrigerator, a small TV and 6 LED lamps.
4. Thermal protection
 - a. Thermo Shield Coating, a unique wall paint with ceramic beads, reflecting approx. 84 % of the heat from the sun.
 - b. A technical textile to shade the shelter. It is mounted above the roof at a distance of approx. 0.2 m (8") from the roof surface. In hot climate this shade reduces the indoor temperature considerably, hence reducing the need for cooling.
5. Air conditioning
6. Hygiene, toilet and shower
7. Toilet system with combustion of residues
8. Additional windows
9. Mosquito nets and blinds for windows

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Logistics

The shelters are supplied as flat packs for ease of transport.

One (1) 20' container holds 20 shelters

One (1) 40' container holds 40 shelters

Example

Sixteen (16) 20' containers hold comfortable accommodation for 600 persons, i.e. one battalion

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