

Emergency Shelter Kit

Emergency Shelter Kit (ESK) comprises a selection of materials designed to promptly address war-related building damage. It encompasses a series of items that have proven maximum utility, ease of storage, distribution, and installation, based on experience and contextual insights.

The primary objective of the ESK is to offer immediate protection during emergencies by temporarily shielding occupants from potentially hazardous weather elements (such as rain, snow, wind, heat, and moisture exposure) and preventing further deterioration of dwellings.

Key considerations:

- ESK is not designed for long-term protection, such as humanitarian repair, which necessitates comprehensive assessments, additional resources, and specialized interventions.
- ESK is used to protect the building envelope or enclosure and does not ensure a continuous thermal envelope for the building. It can temporarily alleviate cold-related suffering (with increased energy or fuel consumption) but is not a sustainable winterization solution.

In accessible areas where damage assessments can be conducted and materials adapted to specific needs, opting for humanitarian repairs is preferable and recommended over relying solely on an ESK. However, where repairs cannot be immediately implemented, the use of ESKs may serve as a temporary measure to address urgent needs.

Standard Emergency Shelter Kit (ESK) Rev01_22.12.2023				
No	Item	Size	Qty	Technical Specifications
1	Reinforced plastic tarpaulin	4.0 x 5,0 m	2	Material: Woven high-density polyethylene (HDPE) black fibers fabric laminated on both sides with low-density polyethylene (LDPE) coating. Reinforcement: Reinforced rims by heat sealing on all sides. Resistance: -20°C to 80°C Eyelets: Provided with aluminum eyelets or equivalent on four sheet sides of the single sheets at 100cm ±5cm center to center, providing very strong fixation points. Weight: 200g/m ² ±5%, total: 4.800g ±5% Color: The white sun is reflective on both sides, with grey bands. Inner black fibers with good opacity.
2	Transparent plastic sheet	3,0 x10,0 m	30 m ²	Transparent plastic sheet, light for windows, 0.150mm, UV stabilized
3	Batten	25 x 100 x 2.000 mm	10 pcs	Pine or fir tree wood of density of P<0.5 g/cm ³ and class C27 according to MGB 520001
4	Nails	60 x 2,5 mm	0,1 kg	Nails, iron, for wood
5	Nails (alternative screws)	100x4,5mm (100x4,8)	0,2 kg	Nails, iron, for wood (alternative screws for wood)
6	Oriented Strand Board (OSB)	250 x 125 cm	2 pcs	Wood board with 10 mm thickness
7	Mounting foam	850 ml bottle	1 pc	Professional mounting foam with application temperature between -5 and 30 °C