WINTERIZATION KIT FOR FAMILY TENT

UNHCR Item No 06648

Item Application Sample

General Information and Description

The Winterization Kit was developed to improve the insulation against cold for UNHCR Family Tent and Framed Tent.

The Winterization Kit includes the following items: winterization liner, partition, chimney sleeve, insulating mats and floor protection (for the wooden stove). All the components are fire retardant to the level of the CPAI84 regulation.

The winterization kit does not include any stove/heater or fuel. These items must be purchased separately, depending on the fuel type available in the area.

One alternative is to use the wooden stove (item No. 06649 in this catalogue) to provide heat and cooking alternatives.

Outside View

Optimal Shipping / Container Information

180 winterization kits per 20'DC (without pallets)
360 winterization kits per 40'DC (without pallets)
450 winterization kits per 40'HC (without pallets)

20'DC 28 pallets x 4 pcs = 112 winterization kits
40'DC 60 pallets x 4 pcs = 240 winterization kits
40'HC 60 pallets x 4 pcs = 240 winterization kits

Packing

The kit is packed individually in a strong waterproof plastic bag, made of standard plastic tarpaulin.

The package must be secured with 2 webbing straps on the outside; each strap must have a strong self-locking buckle that will not slide during transport made with galvanised steel wire of 4 mm diameter minimum. The straps must not be sewn to the outer bag. Each strap provides 2 handles.

The standard international warning sign "protect from water" and the buyer's markings/logo and item name must be printed on the outside of the package in indelible ink.

Inside the bag, 1 set-up instruction sheet in English, showing step by step set-up information with drawings and item content list and information, printed on durable laminated paper or durable fabric.

Kit dimensions: approx. 93 x 39 x 40 cm

Kit volume: approx. 0.145 m^3

CRI Pallet Details

Fumigated as per IPSM 15 standard. Dimensions (L x W x H): 1150 x 770 x 144 mm. Maximum height of the packed pallet: 115 cm. Pallets should be shrink-wrapped and strapped. The palletized goods must not exceed the length and width of the pallet. For further information please refer to section IV Pallet Information.

Manufacturer Marking

Every packing unit should contain a tag showing the manufacturer's name, Batch number, and date of production in each tent.

Note: last updated, October 2016

Technical Specifications

The specifications of the Winterization Kit are described below according to technical and performance requirements in four parts as follows:

1. Specifications for the floor protection
2. Specifications for the winterization liner
3. Specifications for the sleeve, heat resistant, for the Family Tent heater fume pipe
4. Specification for the insulating floor mat

1. SPECIFICATIONS FOR THE FLOOR PROTECTION

Denomination and norms	Required minimum values
1. General Information	Protection for the use of a stove/heater in the standard Family Tent. This floor protection can be used in any tent to protect the groundsheet when using a heater. The protected area is 0.5 m x 1 m, so that the size of the heater should not exceed 0.4 m x 0.8 m.
2. Material	- The plates are made of fibrocement. - The material is 100% fire-proof and rigid. - User's health safety: The materials and additives used in the kit should be non-toxic for human use, free from asbestos and other toxic products, according to the EC regulations.
3. Design	The floor protection is composed of four to six plates of 4 mm thickness to cover a total surface of minimum 0.5 x 1 m.
4. Dimensions / Size	The floor protection is composed of four to six plates of 4 mm thickness to cover a total surface of minimum 0.5 x 1 m.
5. Packaging	If supplied separately, the floor protection is packed into a strong export quality 5 plies cardboard, strapped with 4 heat sealed plastic straps. Indicate product name on the outer package with indelible marking. If supplied within the Winterisation Kit, the floor protection plates are individually wrapped in strong paper before being placed in the center of the kit package, in order to be protected from shocks during transport.

2. SPECIFICATIONS FOR THE WINTERIZATION LINER

Denomination and norms	Required minimum values
1. General Information	This inner liner for the standard Family Tent is recommended to improve the insulation against the cold. This inner liner is designed to fit together, in particular to the attachment points of the liner, and the heater flue pipe protection. This inner liner includes an inner partition.
2. Material	- Material weight: 130 g/m² ±10% in finished state except fire retardant weight. - Tensile strength: ISO 13934-1, warp and weft 300 N minimum. - Tear strength: ISO 9073-4, warp and weft 20 N minimum. - Colour: yellow, beige, cream or sand. - Fire retardant: pass the CPAI-84, 1980, chapter 6. (Should pass the test). - User's health safety: The materials and additives used in the kit should be non-toxic for human use, free from asbestos and other toxic products, according to the EC regulations.

Technical Specifications

2. SPECIFICATIONS FOR THE WINTERIZATION LINER	
Denomination and norms	**Required minimum values**
3. Design	The inner liner must be made from one fold of breathable, rot-proof and fire retardant canvas in order to hang inside the inner tent, to cover the roof and the four walls down to ground level, plus 40 cm on the ground if used with the Standard Family Tent.
4. Dimensions / Size	All dimensions to fit the inner dimensions of the standard Family Tent. Centre height: 2.5 m, width: 3.8 m, wall height: 1.55 m, base length: 3.8 m.
5. Packaging	If supplied individually, packed in a strong waterproof plastic bag. Indicate product name on the outer package with indelible marking. If supplied within the winterisation kit, no individual package is required.
6. Features	- The inner liner has 24 pairs of canvas strings to attach to the original loops of the inner tent. - Both ends are made in a curtain shape that opens in the middle with a 600 mm-overlap. - Inside the inner liner, in the center, five loops allow attaching the inner partition. - One inner partition is supplied with the inner liner, made with the same fire retardant canvas as the inner liner. This partition is of the same design as the original partition of the tent. - At the ridge, four openings of 150 mm closing with Velcro allow accessing to the three hooks and to the pocket of the tent. These are positioned at the level of the 2nd, 3rd, 6th and 7th ridge attachment points. - The inner liner has 4 windows, of reduced size compared to the long windows of the tent, and closing with zipper. These windows are 300 x 800 mm, horizontally oriented, with 2 round corners at the top, the flaps opening downwards (one zipper per window runs on left, top and right sides). These windows allow accessing the original windows of the tent, thus are placed in the centre of each section of the tent sides, in front of the actual inner tent windows. - There are four pockets of 400 x 300 mm, one under each window, for storage of goods. - At one end, the inner liner has a patch made of fire proof material of 450 x 800 mm, vertically oriented, lower edge positioned at 300 mm above the ground.

3. SPECIFICATIONS FOR THE SLEEVE, HEAT RESISTANT, FOR THE FAMILY TENT HEATER FUME PIPE	
Denomination and norms	**Required minimum values**
1. General Information	Protection for the use of a stove/heater in the standard Family Tent. This protection for tent can be used only with tents originally equipped with the standard chimney patch and flap as described in the Family Tent specification or in the Frame Family Tent specification. This protection fits the tent on the Velcro that is originally used for the chimney flap. It stops the draughts and the rain from passing between the pipe and the fireproof canvas at the place where the pipe is passing through the tent wall.

Technical Specifications

3. SPECIFICATIONS FOR THE SLEEVE, HEAT RESISTANT, FOR THE FAMILY TENT HEATER FUME PIPE	
Denomination and norms	**Required minimum values**
2. Material	- Material: 100% fire-proof. It is tear-proof and waterproof soft canvas. The lacing string is fire-proof with a tensile strength that allows a strong attachment around the pipe. - Fire resistant to CPAI84/6 at conditions of origin and after leaching. - Tear resistance under ISO9073-4: minimum 40 N. - Waterproof under ISO 811: minimum 20 hPa (20 cm). - User's health safety: The materials and additives used in the kit should be non-toxic for human use, free from asbestos and other toxic products, according to the EC regulations.
3. Design	The flue-pipe sleeve is a spare part made of fireproof canvas. It has a pyramid shape. At the end of the tubular extension, there is a fireproof string to attach around the pipe. The base of the pyramid has a Velcro to grip to the Velcro of the tent chimney outer flap. The two types of Velcro are available on the sleeve (hooks and loops); sewn next to each other, to make sure it will work in all cases.
4. Dimensions / Size	It has a pyramid shape, with a base of 350 x 700 mm, that fits on the Velcro system of the chimney flap of the Family Tent. The height of the pyramid part is 400 mm, with a hole of 150 mm diameter at the top. The top of the pyramid has a tubular extension of 150 mm length .
5. Packaging	If supplied separately, the flue-pipe sleeve is packed into a strong plastic bag. Indicate product name on the outer package with indelible marking. No. of sleeve: one per Family Tent (winterization package) If supplied within the Winterisation Kit, the flue-pipe sleeve is not individually packed.

4. SPECIFICATIONS FOR THE INSULATING FLOOR MAT	
Denomination and norms	**Required minimum values**
1. General Information	Insulating mat for use as a protection against the cold from the ground in the standard Family Tent, or in any other floor in cold situation. This insulating mat is opened at one end to allow filling with local material to form a basic mattress.

Technical Specifications

4. SPECIFICATIONS FOR THE INSULATING FLOOR MAT	
Denomination and norms	**Required minimum values**
2. Material	First layer, plastic mat: - Plastic floor mat made in a tightly woven twill structure, double thickness (2/1, 3/1, 2/2, 3/2). - Virgin polypropylene (PP) multifilament 500 deniers in warp and virgin polypropylene (PP) hollow tube in weft, not containing any filler. - Fire retardant to pass CPAI84/5. - Tight woven, with minimum 1000 tubes per meter length. - Weight: 500 g/m² minimum. - Colour: any colour. - No. of mats: 5 pieces per one unit of Family Tent. Second layer, aluminized canvas: - Strong synthetic canvas with durable aluminium coating, soft and noiseless, fire retardant to pass CPAI84/5. Third layer, fleece blanket: - Refer to our standard synthetic blanket specification, medium thermal, PLUS fire retardant to pass CPAI84/5. User's health safety: The materials and additives used in the kit should be non-toxic for human use, free from asbestos and other toxic products, according to the EC regulations.
3. Design	The insulating mat is an assembling of three layers: - First layer, on the ground-side, a plastic mat, double weave. - Second layer, an aluminised canvas, aluminium face upward. - Third layer, on upper-side, a fleece blanket. The assembling is done with a heavy-duty ribbon strongly stitched all around the mat. The second and third layer are also stitched together, lengthwise in the center, and crosswise in 3 lines equally spaced. At one end, the mat is opened on the whole width, to allow accessing in between the plastic mat and the aluminised canvas. This opening closes with a fold like a pillowcase closing system. A pair of strong laces is sewn to the mat at one end in the center, to secure the mat when rolled up for transport or storage.
4. Dimensions / Size	1.8 x 0.9 m
5. Packaging	If supplied individually, the mat is rolled and wrapped in a protective outer sheet, such as PP woven canvas, and strapped. Indicate product name on the outer package with indelible marking. If supplied within the Winterization Kit, no individual packing is required.