



Key features

- Fit-for-purpose shelter kit consisting of two 4 x 7 m plastic sheets (also available in 4 x 6 m), two 24 m long ropes and laminated instruction leaflet
- Designed for those living in humanitarian settlements set up in the aftermath of natural disasters and humanitarian crises
- Durable plastic sheeting made from woven high-density polyethylene (HDPE) black fibres fabric, laminated on both sides with low-density polyethylene (LDPE) coating
- UV, water, rot, soil and fauna resistant
- Temperature resistant from -20 to +80°C
- Flammability flash point above 200°C
- Long outdoor use life in all climates
- Fast and easy setup (15 minutes, 2 persons)

Dimensions

Plastic sheeting

Width	4 m standard size \pm 1% net width
Length	7 m sheet (also available in 6 m size)
Weight	170-190g/m ² \pm 5%, plus 10% for the reinforcement bands under ISO 3801

Rope specifications

Length	2 x 24 m
Color	Black
Packaging	Rope coiled to minimize size and height of overall shelter kit bale

Instructions leaflet specifications

Materials	Printed onto A4 size card, laminated
Content	1-page assembly guide sheet with pictorial instructions

DFID Shelter Kit

Specification sheet



Plastic sheeting detailed specifications

Material	Woven high-density polyethylene (HDPE) black fibres fabric laminated on both sides with low-density polyethylene (LDPE) coating. Reinforced with 6 bands of 7.5cm width made of woven black HDPE fibres fabric and coated outside	
Tensile strength	Minimum 50DaN and 15% to 25% elongation in warp and weft outside of reinforcement bands under ISO 1421. Minimum 70DaN inside the reinforcement bands as per ISO 1421 plus the additional procedure	
Tear strength	Minimum 10DaN under ISO 4674 (A") outside of the reinforcement bands	
Welding	Only one welding allowed, in the middle of the sheet, length wise. Minimum resistance is 80% of the original tarpaulin tensile strength in weft under ISO 1421 plus additional procedure	
UV resistance	Maximum 5% loss on original tarpaulin tensile strength under ISO 1421 after 1500 hours UV under ASTM G53/94 (UVB 313 nm peak), to be tested outside and inside the reinforcement bands	
Temperature resistance	Temperature resistance from -20 to +80°C	
Features	Water, rot, soil and fauna resistant. Long outdoor use life in all climates.	
Flammability	Flash point above 200°C	
Color	White sun reflective both sides, grey bands. Inner black fibres to ensure opacity	
Fixing points	Located in the reinforcing bands at the edge of the sheet (sides only), with spacing of maximum 100cm (± 5cm). Can withstand constant load of 50 kgs for a minimum of 1 minute without damaging the plastic sheeting	
Shelf life	2 years minimum.	

General specifications

Kit packaging	Shelter Kit items are packaged by folding the items inside of the plastic sheeting. Each completed kits are packed in a poly-bag with customized markings. Completed kit consists of 2x plastic sheets measuring 4 m x 7 m each / 2x long ropes measuring 24 m each / 1 x laminated instructions sheet.	
	Bale specifications -	
	Two kits are baled together with plastic welded banding and strengthened with metal clips / Two sets of banding across the length and one across the width to ensure integrity of the bale / Two kits per bale / Maximum bale dimension is no greater than 650 mm x 450 mm x 380 mm.	
Marking of packaging	Marking customized according to client requirements, applied to the outside of each kit and to the poly-bag. For consolidated kit pallets, customized markings are applied and made clearly visible	
Marking of goods	Goods will have DHL ID mark, with the information, including "made" and "batch" numbers permanently printed in clear text on the banding of the plastic sheeting	
Shelf life	Minimum 2 years.	

Contents in the kit

Tarpaulins of 4 x 7 m	2	Dimension of single package	56 x 40 x 20 cm	Dimension of two kits (together)	65 x 40 x 35 cm
Rope 8 mm diameter x 24 m	2	Volume of single package	0.052 m3	Volume of two kits (together)	0.091 m3
Assembly manual	1	Weight of single package	14 kgs approx.	Weight of two kits (together)	29 kgs approx.