CANVAS ROLL MATERIAL FOR HOT AND DRY CLIMATIC CONDITIONS (1.5 m x 70)

UNHCR Item No 07072

Item Application Sample

General Information and Description

This canvas material is designed to be used in hot and dry climatic conditions, without humidity and moisture.

Weight and Volume

Specific weight: 640-680 g/m^2 ±1% in finished state.

Weight per roll: 67.2 to 71.4 kg.

Volume per roll: 0.140 m^3.

Optimal Shipping / Container Information

20' DC – 205 roll of 70 meters each.
40' DC – 365 roll of 70 meters each.
40' HC – 365 roll of 70 meters each.

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 Canvas Roll Material for Hot and Dry Climatic Conditions 1.5 x 70 m should include a tag stitched to the side, with the manufacturer identification (letters not higher than 2.5 cm). The tag should include the manufacture's name, unique reference batch number and the date of manufacturing. No company logo should be included with the manufacturer's marking.

Expected Life Span

Minimum one year, used in hot dry climatic conditions without humidity and moisture.

Packing

Packed in rolls in of 1.50 x 70 m (effective width of 1.5m). One roll in one bale. In rolls of 70 meters exactly. Joints are accepted on the 70 m length, maximum 2 joints. First wrapped in craft paper, then in polyethylene. And finally in hessian cloth tied with plastic straps. Both ends of the roll having a circular hardboard to protect the edges of the canvas. However different packing methods may be accepted in order to maximize loadability in pallets and containers.

Note: last updated, October 2016

Graphic Reference

Markings on the Roll

Marking of UNHCR logo: (50 x 16,5 cm): Should be printed in blue indelible ink in color Pantone No PMS 300 C on one side of the single bag.

Shipping Marks: Should be printed in blue indelible ink in color Pantone No PMS 300 C including the Purchase Order Number, Purchase Order Quantity, Project Symbol, Consignee and Content on one side of the polyethylene bag (40 x 10 cm).

SPECIFICATIONS FOR CANVAS ROLL MATERIAL FOR HOT AND DRY CLIMATIC CONDITIONS 1.5 M X 70 M

The canvas material must be in accordance with the specified characteristics and with ISO 10966, if not specified otherwise hereunder and free of defects and faults adversely affecting strength, waterproofness and durability. Any chemicals or additives that are applied to the canvas material should be non-toxic for human use or imply any risk for human health in line with international health standards.

Denomination and norms	Required minimum values
1. Composition, ISO 1833	90% cotton canvas water and rot proof and 10% polyamide or polyester. The canvas material must be in accordance with the specified characteristics and with ISO 10966 - Textiles – Fabric for tents – Specifications.
2. Canvas sheet size	Effective Width: 1.50 m ±3% with no more than 3% dimensional variation when soaking in water, ISO 7771. Length: 70 m ±0.5% with no more than 3% dimensional variation when soaking in water, ISO 7771.
3. Specific weight (g/m^2), ISO 3801	640-680 g/m^2 ±1% in finished state.
4. Weave density	In Warp: 46/48 threads per square inch. In Weft: 26/28 threads per square inch.
5. Color	Natural cotton color, beige sable/ natural beige (not dyed). Other colors except green/military, green/brown and various khaki colors.
6. Water vapor permeability, ISO17229	Minimum 2000 g/m^2/24h.
7. Tensile strength (N), ISO 13934-1 (BS 13934-1)	Warp: Minimum of 1600 N. Weft: Minimum of 1250 N. To apply on 10 test pieces of plain canvas. For plain canvas test: 5 test pieces in warp 5 test pieces in weft.
8. Tear resistance (N) - Started, ISO 9073-4	Minimum of 60 N in Warp and Weft.
9. Water penetration resistance, ISO 81 Test pieces of plain canvas.	30 hPa minimum, with increasing speed at 100 mm per minute.

SPECIFICATIONS FOR CANVAS ROLL MATERIAL FOR HOT AND DRY CLIMATIC CONDITIONS 1.5 M X 70 M	
Denomination and norms	**Required minimum values**
10. Resistance to micro-organisms on tensile strength under, ISO 13934-1 after BS6085 (soil burial - 12 days)	Maximum 30% of strength loss on minimum required value and maximum 50% strength loss on original value of the same product.
11. Efficiency of water-repellent treatments after soaking in water Same test as point 10 on samples soaked in water in point 12.	30 hPa minimum, increasing speed at 100 mm per minute.
12. Efficiency of fungicides product after soaking in water Same test as point 13 on samples soaked in water in point 12.	Maximum 10% of additional loss as compared with the result from point 10. For each type of test: 5 test pieces in warp 5 test pieces in weft.
13. Tensile strength after exposure to UV and moisturizing (climatic simulation) Exposure in a climatic chamber under ISO 4892-2, type A, 360 hours, followed by tensile test under ISO 13934-1.	Maximum 10% of strength loss on minimum required value and maximum 50% strength loss on original value of the same product. For each type of test: 3 test pieces in warp and 3 test pieces in weft.