



DRAFT TANZANIA STANDARD

**TDC 3 (1143) CD₃
First Edition**

Textiles — Floor Mats — Specifications

Draft for Stakeholders comments only!

TANZANIA BUREAU OF STANDARDS

Foreword

This Draft Tanzania Standard is being developed by the House Hold Textile Technical Committee under supervision of the Textile and Leather Division Standards Committee and it is in accordance with the procedures of the Bureau.

This Draft Tanzania Standard has been prepared with assistance drawn from:

SANS 1261 – 1, Performance requirements for retail textiles, Part 1 - Household piece goods and articles.

TZS 1727, Textile — Floor Covering — Tufted Carpets — Specification

KS 2946, Prayer Mats — Specification

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1. Scope

This Draft Tanzania Standard Specifies requirements, test methods and sampling plan of woven/knitted floor mat with or without cut-pile.

2. Normative References

- a) For the purpose of this Draft Tanzania Standard the following references shall apply: TZS 24 Textiles -- Tests for colour fastness -- Part C10: Colour fastness to washing with soap or soap and sod
- b) TZS 27, Textiles determination of dimensional changes of fabrics by cold water immersion.
- c) TZS 40 Textiles - Tests for colour fastness – Colour fastness to light: Daylight.
- d) TZS 44 Textiles – Tests for Woven or knitted fabrics- Determination of length and width.
- e) TZS 137, Textiles - Determination of dimensional changes of woven and knitted fabrics and garments - Machine method. TZS 27
- f) TZS 138, Textile-test for colour fastness to rubbing.
- g) TZS 531, Textiles – Tests for colour fastness – Colour fastness to spotting: Water.
- h) ISO 1766- Textile floor coverings — Determination of thickness of pile above the substrate
- i) ISO 3018- Textile floor coverings — Rectangular textile floor coverings — Determination of Dimensions
- j) ISO 1763- Textile floor coverings — Determination of number of tufts and/or loops per unit length and per unit area
- k) ISO 8543- Textile floor coverings — Methods for determination of mass
- l) ISO 2551- Textile floor coverings and textile floor coverings in tile form — Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane
- m) ISO 2094- Textile floor coverings — Determination of thickness loss under dynamic loading
- n) ISO 4919- Carpets — Determination of tuft withdrawal force

3. Terms and definitions

For the purpose of this Draft Tanzania Standard the following definitions shall apply:

3.1 mat (or rug)

textile floor covering of a predetermined shape and limited dimensions.

3.2 pile

part of a floor covering consisting of textile yarn or fibres, cut or looped, projecting from the substrate and acting as a use – surface.

3.3 substrate

construction, integral with the use – surface and composed of one or more layers which serve as a support for the use – surface and possibly stabilizes the dimensions and/or acts as a cushion.

3.4 use – surface

part of a textile floor covering directly exposed to traffic.

3.5 tuft

cut loop of fibrils or filament clusters of one pile yarn.

4. Requirements

A mat shall comply with the requirements as prescribed in this Draft Tanzania Standard.

4.1 Finishing

4.1.1 The mat shall have regular selvedge on both sides or the edges be folded and hem – stitched or finished by overlocking or whipping or fringes.

4.2 Dimension of the mat

The Dimensions of the mat shall be as declared subject to the tolerance of $\pm 2\%$.

4.4 Defects

The mat shall be free from defects listed in Annex A, which may affect the appearance, durability or performance of the mats.

4.5 Fibre Composition

The fibre composition of the pile yarn (or use surface where there is no pile) shall be as declared subjected to a tolerance of $\pm 5\%$ for blends.

4.6 Performance requirements

The Performance requirements of the mat shall be as prescribed in Table 1.

Table 1 – Performance requirements for floor mats

SN	Parameters	Numerical rating	Test method
1	Thickness of pile above substrate (mm), min	2.5	ISO 1766
2	Number of tufts per 100cm ² , min	4000	ISO 1763
3	Total mass per unit area (g/m ²), min	550	ISO 8543
4	Dimension change after cold water immersion (%), max a) Warp way b) Weft way	2 2	TZS 27
5	Thickness loss under dynamic loading (%), Max.	30	ISO 2094
6	Colour fastness to;		
	Light	4	TZS 40
	Washing a) Change in colour	4	

	b) Staining of adjacent fabric	4	TZS 24
	Rubbing		
	a) Dry	4	TZS 138
	b) Wet	3	
	Water		
	a) Change in colour	4	TZS 531
	b) Staining of adjacent fabric	4	

5. Labelling

A label shall be attached to an end part of the mat on its back, indelibly and clearly marked with the following information:

- a) The name of the product.
- b) Manufacturer's name and/or trademark.
- c) dimensions of the floor mat.
- d) Composition of the pile yarn.
- e) Country of manufacture.
- f) Care label

6. Packing and marking

The packages shall be as agreed between buyer and seller. The packages shall also be marked with the information mentioned on clause 5.

7. Sampling and criteria for conformity

7.1 Lot

7.1.1 In any consignment mats of the same designation and size shall be grouped together to constitute a lot, unit being an individual piece of mat.

7.1.2. The conformity of a lot to the requirements of this Draft Tanzania Standard shall be determined on the basis of the tests carried out on the mats selected from the lot.

7.1.3 The number of floor mats to be selected at random from the lot shall be in accordance with column 2 of Table 2.

7.1.4 The floor mats shall be selected from at least 10 percent of the packages, and equal number of mats, as far as possible being drawn at random from each package.

Table 2– Sample size and permissible number of defects

Number of mats in the lot	Sample size	Permissible number of defective mats	Sub – sample size
1	2	3	4
Up to 100	15	1	3
101 to 300	25	1	4

301 to 500	35	2	5
501 to 800	50	3	6
801 to 1300	75	4	7
1301 to 3200	110	6	8
3201 and above	150	8	10

7.2 Number of tests

7.2.1 For evaluating; a) pile height (wherever applicable), b) mass per square metre, and dimensions of the mats in the lot, the sample selected as in Column 2 of Table 2 shall constitute the test sample.

7.2.2 For evaluating (a) construction, and (b) ends (chains) and picks and (c) number of strands per dm (wherever applicable) of the mats in the lot, the number of mats specified in Column 4 of Table 2 shall constitute the test sample. The mats shall be selected at random from those selected as in Column 2 of Table 2.

7.3 Criteria for Conformity

7.3.1 The lot shall be considered to be in conformity with the requirements of this Draft Tanzania Standard, if the following conditions are satisfied:

- a) The number of mats found defective in respect of any characteristic mentioned in 7.2 does not exceed the limits specified in Column 3 of Table 2; and
- b) No mat is found defective in respect of any characteristic mentioned in 7.2.2.

ANNEX A
(Normative)
DEFECTS

The mat should be free from the following defects.

- a) Spot or stain.
- b) Not evenly constructed to an extent affecting appearance.
- c) Marks across mat.
- d) Discolored areas affecting appearance (variations in colour due to crushing of pile shall not be considered a defect).
- e) Any noticeable unevenness on top surface affecting appearance.
- f) Streak lengthwise or widthwise.
- g) Objectionable odour.
- h) Tufts missing in pile.
- i) Any hole or tear through the back.
- j) Seams not properly sewed or taped.
- k) Edges not finished as required.
- l) Poor colour match.

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