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PRINTED LABELS FOR TEXTILES

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Printed labels for textiles



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Printed labels for textiles

1 Scope

This African standard specifies requirements for printed fabric labels suitable for informative labelling of textile articles and garments.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ARS 1551, *Textiles and textile merchandise — Terms and definitions*

ISO 105-B01, *Textiles — Tests for colour fastness — Part B01: Colour fastness to light: Daylight*

ISO 105-B02, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test*

ISO 105-C10, *Textiles — Tests for colour fastness — Part C10: Colour fastness to washing with soap or soap and soda*

ISO 105-D01, *Textiles — Tests for colour fastness — Part D01: Colour fastness to dry cleaning*

ISO 105-E02, *Textiles — Tests for colour fastness — Part E02: Colour fastness to sea water*

ISO 105-E03, *Textiles — Tests for colour fastness — Part E03: Colour fastness to chlorinated water (swimming-pool water)*

ISO 105-E04, *Textiles — Tests for colour fastness — Part E04: Colour fastness to perspiration*

ISO 105-N01, *Textiles — Tests for colour fastness — Part N01: Colour fastness to bleaching: Hypochlorite*

3 Terms and definitions

For the purposes of this document, the definitions given in ARS 1551 and the following shall apply.

3.1

lot

not less than 5 and not more than 100 rolls of labels or not less than 1 000 and not more than 10 000 pre-cut labels of, in both cases, the same design (i.e. bearing the same information), colours, finish, and size, made by one manufacturer.

4 Requirements

4.1 General

When the label is visually examined in accordance with 6.1 it shall be;

- a) made with acceptable textile material;
- b) of uniform and acceptable make, colour(s), and finish (see Annex A);
- c) of a required design and size (see Annex A);

- d) supplied in rolls or as pre-cut labels, as required (see Annex A); and
- e) delivered in a clean and commercially dry condition.

4.2 Colour fastness

4.2.1 The colour fastness ratings of labels to comply to the requirements as given in column 1 of Table 1 shall not be less than the minimum ratings given in columns 2 to 4 of Table 1, unless otherwise specified by the customer (see annex A) or indicated by the care instructions given on the label, when tested in accordance with the methods given in column 5 of Table 1.

4.2.2 In all cases the information on the label shall be clearly discernible after each of the appropriate tests.

Table 1 — Colour fastness ratings of labels

1	2	3	4
Parameter	Requirement		Test method
	Minimum rating		
	Change in colour	Staining	
Washing	3-4	4	6.4
Dry cleaning	3-4	-	6.5
Sea water	3-4	4	6.6
Chlorinated water	3-4	-	6.7
Perspiration			
a) Acid	3-4	4	6.8
b) Alkaline	3-4	4	6.8
Fastness to bleaching	3-4	4	6.9
Light	5	-	6.10

4.3 Resistance to fraying

A label whose colour fastness to washing has been determined shall, when examined in accordance with 6.4, show no signs of significant fraying of any of the three free edges.

5 Sampling and compliance with the standard

5.1 General

When no information concerning the implementation of quality control or testing during manufacture is available, the following sampling procedure shall be applied to determine whether a lot submitted for inspection and testing complies with the requirements of the standard. The samples so taken shall be deemed to represent the lot for the respective properties.

5.1.2 Sample for inspection

After checking for compliance with the requirements of Clause 7, from the lot draw (when relevant, at random) 5 rolls or enough bags or cardboard boxes, as applicable (see 7.1), to provide at least 500 pre-cut labels.

5.1.3 Laboratory sample for testing

From the lot or, after inspection (see 6.1), from the labels drawn in accordance with 5.1.2 above, take at random 2 rolls and, in the case of pre-cut labels, enough labels for the tests given in 6.4 to 6.10 inclusive.

5.2 Compliance with the standard

The lot shall be deemed to comply with the requirements of the standard when on inspection and testing of the samples taken in accordance with 5.1.2 and 5.1.3, the results comply with the requirements set out in Table 1 of this standard.

6 Inspection and methods of test

6.1 Inspection

Visually examine and inspect the sample taken in accordance with 5.1.2 for compliance with the requirements of 4.1, inspecting, in the case of pre-cut labels, at least 50 labels taken at random from the sample.

6.2 Preparation of test specimens

From the laboratory sample taken in accordance with 5.1.3, cut in the case of rolls, and draw at random in the case of pre-cut labels, enough labels to provide at least one label for each of the tests given in 6.4 to 6.10 (inclusive).

6.3 Adjacent fabrics

For the tests in which adjacent fabrics are specified, use:

- a) cotton and, when a second adjacent fabric is needed, nylon in place of the adjacent fabric specified in the relevant test method; and
- b) adjacent fabrics of size just large enough to cover the test specimen.

6.4 Colour fastness

6.4.1 Colour fastness to washing and resistance to fraying

Use test number E(5) in ISO 105-C10 but prepare the test specimen by sewing along one edge only. Check for compliance with the relevant requirements given in table 1. After assessing the colour fastness properties, examine the test specimen for compliance with 4.3.

6.4.2 Colour fastness to dry cleaning

Use ISO 105-D01 but omit the assessment of the discolouration of the solvent. Repeat the test 4 times. Check for compliance with the relevant requirements given in table 1.

6.4.3 Colour fastness to sea water

Use ISO 105-E02. Check for compliance with the relevant requirements given in Table 1.

6.4.4 Colour fastness to chlorinated water

Use ISO 105-E03. Check for compliance with the relevant requirements given in Table 1.

6.4.5 Colour fastness to perspiration

Use ISO 105-E04. Check for compliance with the relevant requirements given in Table 1.

6.4.6 Colour fastness to bleaching

Use ISO 105-N01. Check for compliance with the relevant requirements given in Table 1.

6.4.7 Colour fastness to light

Use ISO 105-B01 or ISO 105-B02. Check for compliance with the relevant requirements given in Table 1.

7 Packing and marking

7.1 Packing

Unless otherwise specified by the customer (see annex A), only labels of the same design, colour(s), finish and size shall be packed together in a bag or a box and in a bulk container. Rolls of labels shall be packed in cardboard boxes (each containing the same number of rolls) that are then packed in cartons or other acceptable bulk containers. Cut labels shall be supplied in either

- a) clean plastic bags (each containing approximately the same number of labels) that are packed in the same way as rolls, or
- b) stacked form in suitable cardboard boxes that are then packed in acceptable bulk containers.

7.2 Marking

7.2.1 Individual packages

The following information shall appear in legible and indelible marking on the outside of each package:

- a) the manufacturer's name or trade mark, or both;
- b) an acceptable description of the label (representative of the content) securely attached to the outside of the package;
- c) the average number of labels per roll or per plastic bag, as relevant; and
- d) the number of rolls or plastic bags in the package.

7.2.2 Bulk containers

The following information shall appear in legible and indelible marking on the outside of each bulk container:

- a) the manufacturer's name or trade mark, or both;
- b) an acceptable description of the label; and
- c) the approximate total number of labels in the container.

7.3 Additional marking

When so required by the customer (see Annex A), individual packages or bulk containers, or both, shall bear information additional to that specified in 7.2.1 and 7.2.2.

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