



DRAFT CARICOM REGIONAL STANDARD

TOILET TISSUE- SPECIFICATION

(1st Revision)

DCRS 51: 202X

(Replaces CCS 22:1992)

CARICOM Regional Organisation for Standards and Quality, CROSQ

2nd Floor Nicholas House

29 & 30 Broad Street

Bridgetown, St Michael

Barbados

Telephone: 246-622-7677

Fax: 246-622-6778

Email: crosq.caricom@crosq.org

Website: <http://www.crosq.org>

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Committee representation

This CARICOM Regional Standard was developed by the Regional Technical Sub-Committee for Toilet Tissue (RTC 5 SC 2) which was hosted by the CARICOM Member state of Trinidad and Tobago and comprised the following members:

Members

Mr Mark Charles (Chair)

Mr. Chris Lambert (Vice Chair)

Ms. Beverly Monroe

Mr. Ismahieel Ali

Mr. Christian Haloute (alternate)

Ms Reesa Thomas

Mr Sterling Thompson (alternate)

Mr. Gan Xioxi (Andy)

Mr. Tanwir Hassankhan

Ms. Ianthi Burke

Mr. Monty Maule (alternate)

Ms. Rozinga Straker

Mr. Juan Carlos Dussan

Mr. Peter Lorde

Ms. Georgesette Sédo (**Technical Secretary**)

Representing

Tolyn Manufacturers Ltd, Saint Lucia

Armstrong Agencies, Barbados

Trinidad and Tobago Bureau of Standards

Trinidad and Tobago Manufacturers Association

Trinidad and Tobago Manufacturers Association

Trinidad and Tobago Bureau of Standards

Trinidad and Tobago Bureau of Standards

Shen Long Company N.V., Suriname

Suriname Standards Bureau

St Vincent Corrugated Containers Inc

St Vincent Corrugated Containers Inc

St. Vincent and the Grenadines Bureau of Standards

Caribbean Paper Mill, Belize

Virghen Inc., Saint Lucia

Suriname Standards Bureau

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Foreword

This standard was prepared by the CARICOM Regional Organisation for Standards and Quality (CROSQ). It was approved by the Council for Trade and Economic Development (COTED) on _____.

CRS 51:202X is the first revision of the standard CCS 22:1992, *Toilet tissue in rolls, single and two-ply*.

Toilet issue is extensively traded in the CARICOM market and globalization has resulted in increased importation of this product from extra-regional sources. CCS 22:1992 was revised under the directive of COTED to address relevant issues to ensure that a minimum acceptable quality product is offered for sale in the CARICOM Member States.

This standard has been revised to take into consideration new standardization practices and changes in the industry. The scope has been extended to include coreless tissue, multi-ply tissue and specific requirements have been included for multi-packs and cartons.

This standard is intended to:

1. facilitate production of an acceptable quality including minimum performance, dimensional and other parameters.
2. This standard may be used to provide a basis for conformity assessment activities or as part of a quality assurance scheme.

In formulating this standard considerable assistance was derived from the following:

Bureau of Standards Jamaica

DJS 51:2013, *Specification for Paper: Toilet tissue*

Trinidad and Tobago Bureau of Standards

TTS 543: 2002, *Specification for toilet tissue*

1 Scope

This standard specifies dimensional, mechanical, performance and labelling requirements for single-ply, two-ply and multi-ply toilet tissue.

This standard is applicable to single rolls, multi-packs and cartons of toilet tissue. It also applies to coreless tissue.

It does not apply to jumbo rolls of toilet tissue.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For undated references, the latest edition of the referenced document (including any amendments) applies.

International Organization for Standardization

ISO 186, *Paper and board – Sampling to determine average quality*

ISO 2859-1, *Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 12625-6, *Test method for the determination of grammage*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

basis weight

weight of paper expressed in grams per square metre determined under standard test condition

3.2

lot

aggregate of paper of a single kind with specified characteristics produced under conditions that are presumed uniform and available for sampling at one time

NOTE – A unit is a component of a lot which may be in the form of a bale or carton

3.3

multi-ply

toilet tissue that contains more than two layers of paper per sheet

3.4

pulp

the fibrous cellulose material of natural plant origin, which has been prepared for the manufacture of paper

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3.5

recycled paper

paper manufactured from a pulp prepared from reclaimed waste paper

3.6

sheet

the portion of toilet tissue between two consecutive perforations on a roll

NOTE A sheet may comprise of one or more plies.

3.7

soiled

tissue that has undergone a change in appearance due to the surface attachment of dirt or other foreign material

3.8

specimen

sheet of toilet paper selected at random for testing purposes

4 General requirements

4.1 The tissue shall be unglazed, flexible and of even formation.

4.2 The tissue shall not be soiled and shall be free from foreign material and breaks.

NOTE Foreign material may include wood, metal or plastic.

4.3 The tissue shall not include excessive holes or wrinkles so as to affect the performance of the product.

4.4 The dye used in coloured tissue shall not be leached out by water.

4.5 Where specific dyes, inks and chemicals are used, they shall be non-hazardous and the manufacturer or importer shall possess the relevant documentation to demonstrate this

4.6 The tissue shall be odourless or emit a paper scent

NOTE An initial inspection should be conducted and if necessary further assessment can be conducted by a randomly chosen panel of 5 persons.

4.7 The sheets shall not be torn or otherwise mutilated.

4.8 Glue spots shall be permissible on a maximum of the first three layers of the roll and the last three layers closest to the core and there shall be easy release of the tissue at initial opening.

4.9 The start of the roll shall be easily discernible and detachable.

4.10 The individually-packaged roll shall be wrapped in a protective covering and closed at both ends to prevent contamination during handling and storage.

NOTE: The tissue can be manufactured from virgin chemical or mechanical pulp; secondary Fibres (Recycled Paper) from Virgin Chemical or Mechanical pulp.; or a mixture of both.

5 Specific requirements

5.1 Core

5.1.1 The paper shall be evenly wound on a stiff cylindrical core made of paste board or other suitable material.

5.1.2 The core shall be sufficiently rigid so as not to collapse under normal conditions of transportation, storage and usage.

5.1.3 The requirements of 5.1.1 to 5.1.2 shall not apply to coreless tissue.

5.2 Basis weight

The minimum basis weight of the roll of toilet tissue shall be 16 g per m² for single ply and 13.5 g per m² for two-ply and multi-ply tissue.

5.3 Perforations

5.3.1 The perforations shall be uniform.

5.3.2 The perforations shall extend along the entire width of the roll.

5.3.3 The perforations shall be perpendicular to the edges of the sheets and shall facilitate the easy separation of sheets.

6 Labelling

6.1 Individually-packaged rolls

6.1.1 The wording on labels for use in the Caribbean Community shall be in the official language or languages of the country in which the goods are sold.

6.1.2 Labels on individually wrapped toilet tissue rolls shall contain the following information:

- a) name and address of the manufacturer or supplier;
- b) name of the item;
- c) trade name if any;
- d) number of plies;
- e) number of sheets per roll;
- f) the total area of the roll of tissue paper in square metres (m²);

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- g) colour of the tissue if not white;
- h) If a scent has been added to the toilet tissue, the name of the scent or chemical used shall be clearly stated on the label; and
- i) country of origin.

NOTE 1 Acceptable wording for expressing this information includes:

- 1) "product of (name of territory)";
- 2) "made in (name of territory)", or
- 3) "manufactured in (name of territory)".

6.2 Multi-packs

Multi-packs shall be labelled according to 7.1 and the label shall also include the number of rolls in the pack.

6.3 Cartons

The carton, if opaque, shall be labelled with the following information:

- a) name and address of the manufacturer or supplier;
- b) name of item; and
- c) number of rolls in the carton.

7 Sampling

7.1 Toilet tissue shall be sampled in accordance with ISO 186 or ISO 2859-1 .

7.2 Samples or portions of the rolls that are not damaged shall be selected.

NOTE It is good practice to discard the first few layers of the roll to be sure of obtaining a representative sample.

7.3 Test samples shall be kept flat and free from wrinkles and folds. They shall be protected from exposure to heat, direct sunlight, liquids, varying humidity conditions as well as any other harmful influences.

7.4 Test samples shall be handled as little as possible and contact with sweated hands shall be strictly avoided.

NOTE Contact with hands may affect the characteristics of the tissue.

8 Testing

8.1 Test method for the determination of basis weight of toilet tissue shall be in accordance with ISO 12625-6.

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