SLOVENSKI STANDARD
kSIST-TS FprCEN/TS 18271-3:2026

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Tekstilije - Krožno gospodarstvo za tekstilne izdelke - Minimalne zahteve za trajnost in priporočila - 3. del: Posteljnina, kopalniške, kuhinjske in namizne tekstilije

Textiles - Circular economy for textile products - Minimum durability requirements and recommendations - Part 3: Bed, bath, kitchen and table textiles

Textilien - Circular Economy für textile Erzeugnisse - Mindestanforderungen und Empfehlungen an die Funktionsbeständigkeit - Teil 3: Bett-, Bad-, Küchen- und Tischwaren

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ICS:

13.020.20	Okoljska ekonomija. Trajnostnost	Environmental economics. Sustainability
59.080.30	Tkanine	Textile fabrics
97.160	Tekstilije za dom. Perilo	Home textiles. Linen

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European foreword

This document (FprCEN/TS 18271-3:2026) has been prepared by Technical Committee CEN/TC 248 “Textiles and textile products”, the secretariat of which is held by BSI.

This document is currently submitted to Vote on TS.

This document is part of the CEN/TS 18271 series under the general title Textiles — Circular economy for textile products — Minimum durability requirements and recommendations. The series consists of the following parts:

— Part 1: Clothing

— Part 2: Workwear

— Part 3: Bed, bath, kitchen and table textiles

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Introduction

This document represents a first step towards a harmonized approach for assessing and improving physical durability. It is expected that the methodologies and criteria described herein will evolve further based on practical experience and future developments.

This document provides minimum requirements and recommendations for newly produced bed, bath, kitchen and table textiles. It is intended to ensure a minimum durability performance of bed, bath, kitchen and table textiles for domestic use and is intended to be maintained by domestic care.

The minimum requirements and recommendations in this document have been established with the intended and foreseeable use, and care in mind, including subsequent uses. The ability of materials and components to resist certain constraints are not detailed.

This document only addresses the intrinsic properties of the materials (knitted or woven fabrics) and finished products (assembling) and not the extrinsic properties. Every step in the production chain, such as fibre type, yarn type, type of fabric (sur)face, finishing, dying and coating, assembling techniques (use of accessories) has an influence on the durability level. They are not considered in this document but can be used to improve the durability level. This document does not contain information that allows the minimum specifications to be related to the life and value of textiles in a typical domestic maintenance procedure. Furthermore, these minimum specifications cannot be related to the lifetime of textiles measured by multiple consumers in domestic maintenance and use trials. The actual domestic maintenance applied by the user can differ from the standardized maintenance test and the use consequences are very user specific. The use phase is tested via several standardized simulation tests that each cover a different effect. These test methods are an abbreviated (accelerated) simulation of the actual effect of certain factors that have no correlation to a particular use time. Therefore, this document should not be used to produce claims on specific lifetime, lifespan nor use cycles. Spot cleaning is not addressed in this document; if applied, it is recommended to carry it out on a non-visible area first.

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It is strongly recommended that stakeholders along the value chain discuss the characteristics of materials and their expected performance requirement to ensure the durability of bed, bath, kitchen and table textiles. Both the used materials, the textile production as the assembly of the product are of importance to ensure a good durability level.

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High durability characteristics of the products can increase acquisition costs for both the value chain and the consumer. To have a balanced durability level, it is therefore encouraged to carry out consumer enquiries and waste audits, and monitor consumer complaints and returns, to better assess textile life and total cost of ownership.

Clause 4 describes the different product groups on which this document applies. Clause 5 describes the different properties and corresponding references to test methods used in this document. Clause 6 provides minimum durability requirements and additional recommendations on properties to ensure an expected performance of different product groups.

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1 Scope

This document specifies minimum physical durability requirements and recommendations for bed, bath, kitchen and table textiles for circular economy in the textiles chain, based upon their intended use. Only textiles for domestic use are considered.

Included in this document are the following textiles for domestic use: bedlinen, kitchen towels, teacloths, tablecloths, napkins, bedding articles (duvets, pillows, bed covers), blankets, bath robes, terries like towels, washcloths and bathmats.

Excluded from the document are textiles intended for contract use and other home textiles such as curtains, textile wallpaper, carpets, upholstery, bed frames covered with textiles, mattresses (including mattress ticking), ticking and children sleeping bags. Medical textiles and medical devices are also excluded from this document.

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 dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12132-1, *Feather and down — Methods of testing the down-proof properties of fabrics — Part 1: Rubbing test*

EN ISO 1421, *Rubber- or plastics-coated fabrics — Determination of tensile strength and elongation at break*

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EN ISO 4674-2, *Rubber- or plastics-coated fabrics — Determination of tear resistance — Part 2: Ballistic pendulum method*

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EN ISO 5077, *Textiles — Determination of dimensional change in washing and drying*

EN ISO 5470 (all parts), *Rubber- or plastics-coated fabrics — Determination of abrasion resistance — Part 2: Martindale abrader*

EN ISO 6330, *Textiles — Domestic washing and drying procedures for textile testing*

EN ISO 12947-2, *Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown*

EN ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method*

EN ISO 13936-1, *Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 1: Fixed seam opening method*

EN ISO 13936-2, *Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 2: Fixed load method*

EN ISO 13937-1, *Textiles — Tear properties of fabrics — Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)*

EN ISO 13938-1, *Textiles — Bursting properties of fabrics — Part 1: Hydraulic method for determination of bursting strength and bursting distension*

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