

Textiles - Method for assessing appearance of apparel and other textile end products after domestic washing and drying (ISO 15487:2018)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

**Textiles - Method for assessing appearance of apparel and
other textile end products after domestic washing and
drying (ISO 15487:2018)**

Textiles - Méthode d'évaluation de l'aspect des
vêtements et autres produits textiles finis après lavage
et séchage domestiques (ISO 15487:2018)

Textilien - Verfahren für die Bewertung des Aussehens
von Bekleidung und anderen textilen
Fertigerzeugnissen nach Haushaltswäsche und
Trocknen (ISO 15487:2018)

This European Standard was approved by CEN on 16 September 2018.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

This document (EN ISO 15487:2018) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with Technical Committee CEN/TC 248 "Textiles and textile products" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2019, and conflicting national standards shall be withdrawn at the latest by April 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 15487:2010.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 15487:2018 has been approved by CEN as EN ISO 15487:2018 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.

This third edition cancels and replaces the second edition (ISO 15487:2009), which has been technically revised. The main changes compared to the previous edition are as follows:

- in [Clause 1](#), the appearance assessment has been extended to colour change, pilling, fuzzing, matting appearance of fabrics, damage of components (buttons, press fasteners, slide fasteners, etc.) and physical garment changes (e.g. spirality);
- in [Clause 3](#), the term “durable press” has been deleted and the succeeding terms have been renumbered;
- in [Clause 6](#), the distinction of preparation of different test specimens (fabrics, garments, etc.) have been specified;
- in [7.4](#), the use of manikin for the garment assessment has been introduced, and a (non-exhaustive) list of appearance changes ([Table 1](#)) for the qualitative method of the assessment has been added;
- procedures described in [7.5](#), [7.6](#), [7.7](#), [7.8](#), [7.9](#) and [7.10](#) have been modified and clarified;
- a new informative [Annex B](#) showing an example of appearance rating has been added;
- new references have been added in the Bibliography.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Textiles — Method for assessing appearance of apparel and other textile end products after domestic washing and drying

1 Scope

This document specifies a method of test for evaluating the appearance of apparel and other textile end products after one or several domestic washing and drying treatments. The appearance evaluated includes colour change, pilling, fuzzing, matting appearance of fabrics, smoothness appearance of flat fabric and seams, and the retention of pressed-in creases in garments and other textile products, damage of components – buttons, press fasteners, slide fasteners, etc.

This document is applicable to any washable textile end product of any fabric construction. Techniques for seaming and creasing are not included since the purpose is to evaluate textile end products as they are supplied from the manufacturer or as ready-to-use. Techniques for seaming and creasing are controlled by fabric properties.

This method has been developed primarily for use with domestic washing machines of Type B as defined in ISO 6330, but it can be used with any type of machine defined in ISO 6330.

It is recognized that prints and patterns can mask the wrinkled appearance present in textile end products. The rating process is, however, based on the visual appearance of specimens including such effects.

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.

ISO 105-A03, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining*

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

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

ISO 16322-3, *Textiles — Determination of spirality after laundering — Part 3: Woven and knitted garments*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

appearance

overall visual impression of garments and other textile end product, quantified by comparison of individual components with appropriate reference standards