

Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning (ISO 3175-4:2018, Corrected version 2019-12)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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| See Eesti standard EVS-EN ISO 3175-4:2018 sisaldab Euroopa standardi EN ISO 3175-4:2018 ingliskeelset teksti. | This Estonian standard EVS-EN ISO 3175-4:2018 consists of the English text of the European standard EN ISO 3175-4:2018. |
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English Version

Textiles - Professional care, drycleaning and wetcleaning
of fabrics and garments - Part 4: Procedure for testing
performance when cleaning and finishing using simulated
wetcleaning (ISO 3175-4:2018, Corrected version 2019-
12)

Textiles - Entretien professionnel, nettoyage à sec et
nettoyage à l'eau des étoffes et des vêtements - Partie
4: Mode opératoire pour évaluer la résistance au
nettoyage et à la finition lors d'un nettoyage à l'eau
simulé (ISO 3175-4:2018, Version corrigée 2019-12)

Textilien - Professionelle Pflege, Chemischreinigung
und Nassreinigung von textilen Flächengebilden und
Kleidungsstücken - Teil 4: Verfahren zum Prüfen der
Leistung beim Reinigen und Finishen unter Einsatz der
simulierten Nassreinigung (ISO 3175-4:2018,
korrigierte Fassung 2019-12)

This European Standard was approved by CEN on 12 March 2018.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 18 December 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 3175-4:2018) 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 November 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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 3175-4:2003.

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 3175-4:2018, Corrected version 2019-12 has been approved by CEN as EN ISO 3175-4:2018 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 on 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 the following URL: 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 second edition cancels and replaces the first edition (ISO 3175-4:2003), which has been technically revised. It also incorporates the Technical Corrigendum ISO 3175-4:2003/Cor 1:2009. The main changes compared the previous edition are as follows:

- restriction of the scope to fabrics and garments that cannot be washed and need professional finishing;
- [6.1](#): addition of a reference to the technical specifications of the apparatus as described in ISO 6330 and withdrawal of the reference to [Annex A](#);
- [9.1](#): clarification of the normal process steps;
- [Table 1](#): updating of some settings in processes;
- [Annex A](#): updating of some specifications of the tumble dryer (humidity control and cage outlet temperature);
- [Annex B](#): withdrawal of the programming washing instructions, replaced by [Table 1](#), and addition of an informative part dealing with an alternative procedure for Type C washing machines.

A list of all parts in the ISO 3175 series can be found on the ISO website.

This corrected version of ISO 3175-4:2017 incorporates the following corrections:

- in [8.2](#), the test specimen dimensions have been corrected.

Introduction

Professional wetcleaning is used by professionals for cleaning textiles in water. It uses specialized equipment, programming, detergent and other additives to minimize adverse effects on textiles such as mechanical action and temperature. It is followed by drying and restorative finishing procedures, in most cases by steam treatment and/or hot pressing.

The professional wetcleaning process takes place without the intense mechanical action associated with washing.

Properties of the textile or garment can change progressively on professional wetcleaning, steaming and/or pressing. In some cases, a single treatment can give little indication of the extent of dimensional and other changes that can arise after repeated treatments and affect the useful life of the article. Generally, most of the potential change becomes apparent after three to five of the simulated professional wetcleaning and finishing treatments specified in this document. This progressive change should be borne in mind when determining the number of repeated cycles which is given (see [Clause 4](#)).

The properties that should be considered in an assessment for professional wetcleaning together with the methods for their assessment are given in ISO 3175-1.

Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments —

Part 4:

Procedure for testing performance when cleaning and finishing using simulated wetcleaning

1 Scope

This document specifies simulated professional wetcleaning procedures, using a reference machine for fabrics and garments. It is intended for fabrics and garments that cannot be washed and need professional finishing. It comprises a normal process for normal materials, a mild process for sensitive materials and a very mild process for very sensitive materials.

Localized staining and stain removal fall outside the scope of 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.

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

ISO 3175-1, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 1: Assessment of performance after cleaning and finishing*

ISO 6330:2012, *Textiles — Domestic washing and drying procedures for textile testing*

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

material

garment, composite test specimen or fabric

[SOURCE: ISO 3175-2:2017, 3.1]

3.2

composite test specimen

test specimen consisting of all component parts used in the finished item, and combined in a representative assembly

[SOURCE: ISO 3175-1:2017, 3.1]