



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 3175-1:2018

# Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 1: Assessment of performance after cleaning and finishing (ISO 3175-1:2017)

## I.S. EN ISO 3175-1:2018

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN ISO 3175-1:2018 is the adopted Irish version of the European Document EN ISO 3175-1:2018, Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 1: Assessment of performance after cleaning and finishing (ISO 3175-1:2017)

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EUROPEAN STANDARD

EN ISO 3175-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2018

ICS 59.080.01

Supersedes EN ISO 3175-1:2010

English Version

**Textiles - Professional care, drycleaning and wetcleaning  
of fabrics and garments - Part 1: Assessment of  
performance after cleaning and finishing (ISO 3175-  
1:2017)**

Textiles - Entretien professionnel, nettoyage à sec et  
nettoyage à l'eau des étoffes et des vêtements - Partie  
1: Évaluation de la résistance après le nettoyage et la  
finition (ISO 3175-1:2017)

Textilien - Fachgerechte Pflege, Chemischreinigung  
und Nassreinigung von textilen Flächengebilden und  
Kleidungsstücken - Teil 1: Leistungsbewertung nach  
Reinigung und Nachbearbeitung (ISO 3175-1:2017)

This European Standard was approved by CEN on 10 December 2017.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

**EN ISO 3175-1:2018 (E)**

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## **European foreword**

This document (EN ISO 3175-1:2018) 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 July 2018, and conflicting national standards shall be withdrawn at the latest by July 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 3175-1:2010.

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 3175-1:2017 has been approved by CEN as EN ISO 3175-1:2018 without any modification.

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# INTERNATIONAL STANDARD

**ISO  
3175-1**

Third edition  
2017-12

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

### **Part 1: Assessment of performance after cleaning and finishing**

*Textiles — Entretien professionnel, nettoyage à sec et nettoyage à  
l'eau des étoffes et des vêtements —*

*Partie 1: Évaluation de la résistance après le nettoyage et la finition*



Reference number  
ISO 3175-1:2017(E)

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**ISO 3175-1:2017(E)**



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## ISO 3175-1:2017(E)

## 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](http://www.iso.org/directives)).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://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 3175-1:2010), which has been technically revised.

The main changes compared to the previous edition are as follows:

- mention of “wetcleaning” beside “drycleaning” throughout the text;
- in Clause 3, modification of the definition of drycleanability and addition of an entry for wetcleanability;
- in [7.2](#), clarification of test specimen conditioning and the standard atmosphere;
- simplification of [Table 1](#), by a focus on the means of assessment.

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

## Introduction

Drycleaning is a process for cleaning textiles in an organic solvent that dissolves oils and fats and disperses particulate dirt substantially without the swelling and creasing associated with washing or wetcleaning. Small quantities of water may be incorporated in the solvent with the aid of a surfactant for the purpose of obtaining better soil and stain removal. Some moisture-sensitive articles are preferably drycleaned without the addition of water to the solvent. A surfactant is often used to assist with soil removal and reduce the risk of greying, but it should be borne in mind that surfactants contain varying amounts of water in their formulations. Drycleaning is normally followed by an appropriate restorative finishing procedure. In most cases, this comprises some form of steam treatment and/or hot pressing.

Professional wetcleaning is a process used by professionals for cleaning textiles in water using special technology (cleaning, rinsing and spinning), detergents and additives to minimize any adverse effects to the textile. It is followed by drying and restorative finishing procedures, in most cases by steam treatment and/or hot pressing.

Properties of the textile or garment may change progressively on drycleaning or wetcleaning and 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 that can affect the useful life of the article. Generally, most of the potential changes become apparent after three to five of the drycleaning or the wetcleaning and finishing treatments specified in ISO 3175-2 to ISO 3175-4. These progressive changes should be borne in mind when the interested parties determine the number of repeat cycles which are given.



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

## Part 1: Assessment of performance after cleaning and finishing

### 1 Scope

This document specifies a method for assessing textile articles which have been tested according to ISO 3175-2 to ISO 3175-4.

Fabric and garment properties, which can change on drycleaning or wetcleaning and finishing, are identified and methods for assessing change using existing International Standards are given as appropriate. Other properties which are also important, but for which there are no International Standards providing methods of assessment, are indicated in [Annex A](#) (normative), together with advice on how to proceed on their assessment.

### 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-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

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

ISO 105-F10, *Textiles — Tests for colour fastness — Part F10: Specification for adjacent fabric: Multifibre*

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

ISO 3175-2, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene*

ISO 3175-3, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents*

ISO 3175-4, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning*

ISO 3759, *Textiles — Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change*

ISO 4920, *Textile fabrics — Determination of resistance to surface wetting (spray test)*

ISO 7768, *Textiles — Test method for assessing the smoothness appearance of fabrics after cleansing*

ISO 7769, *Textiles — Test method for assessing the appearance of creases in fabrics after cleansing*

ISO 7770, *Textiles — Test method for assessing the smoothness appearance of seams in fabrics after cleansing*

ISO 9867, *Textiles — Evaluation of the wrinkle recovery of fabrics — Appearance method*

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