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Second edition
2018-03

Corrected version
2019-12

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

Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning

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



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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.

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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.