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TECHNICAL SPECIFICATION

colour inside

Surface cleaning appliances –
Part 1: General requirements on test material and test equipment

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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SURFACE CLEANING APPLIANCES –

Part 1: General requirements on test material and test equipment

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

The main task of IEC technical committees is to prepare International Standards. In exceptional circumstances, a technical committee may propose the publication of a technical specification when

- the required support cannot be obtained for the publication of an International Standard, despite repeated efforts, or
- the subject is still under technical development or where, for any other reason, there is the future but no immediate possibility of an agreement on an International Standard.

Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC TS 62885-1, which is a technical specification, has been prepared by subcommittee 59F: Surface cleaning appliances, of IEC technical committee 59: Performance of household and similar electrical appliances.

This third edition cancels and replaces the second edition published in 2016. This edition constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition:

a) Clauses 4 and 5 on test carpets have been combined into the new Clause 4;
b) a new Clause 5 has been added containing specifications and treatment of various kinds of test dust;
c) a level loop test carpet specification has been added.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
59F/390/DTS	59F/402/RVDTS

Full information on the voting for the approval of this technical specification can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 62885 series, under the general title *Surface cleaning appliances*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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- amended.

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INTRODUCTION

~~IEC subcommittee 59F has agreed to make a collection of existing and future test equipment and materials used in testing surface cleaning equipment and to publish this collection as a Technical Specification, which it intends to keep up to date. The existing Annexes published on the IEC web will be integrated in this Technical Specification step by step.~~

~~This second edition complements the specification of the Wilton carpets in the first edition with information on pre-treatment of new and replacement carpets. Further carpet specifications may follow.~~

~~It is still the intention to supplement this Technical Specification with other test materials and SC 59F, Surface cleaning appliances, is currently looking into possibilities to add specifications concerning the various kinds of dust used.~~

~~The intention with this publication is to ensure a minimum of test material types and common use of these materials in tests of various surface cleaning appliances.~~

IEC subcommittee 59F has agreed to make a collection of test material and test equipment used in standards for testing surface cleaning appliances and to publish this collection as a technical specification. The existing annexes published on the IEC web will be integrated in this technical specification step by step.

Regular maintenance of the technical specification ensures that other standards which refer to this TS always reference the current status regarding test material and test equipment.

This third edition complements the specification of the Wilton test carpet in the second edition with the specification of a level loop test carpet and information on pre-treatment of test carpets.

Furthermore, the specification of various types of test dust has been included. Further test material and test equipment specifications will follow.

The intention with this document is to ensure a minimum of test material types and common use of these materials in tests of various surface cleaning appliances.

For information on supplies of test materials and details of test equipment, see Annex A.

Annex D provides general information relative to the various categories of dry vacuum cleaners.

SURFACE CLEANING APPLIANCES –

Part 1: General requirements on test material and test equipment

1 Scope

This part of IEC 62885 specifies the physical characteristics of test equipment and material used in tests common to several products covered by the IEC 62885 series for surface cleaning appliances. In addition, it provides guidance regarding the evaluation of Wilton and other types of carpets to determine their acceptability for testing and pre-treatment of test dust.

~~NOTE Currently, this document covers only the Wilton carpet and its treatment.~~

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.

IEC 62885-2:–[1], *Surface cleaning appliances – Part 2: Dry vacuum cleaners for household or similar use – Methods for measuring the performance*

ISO 1763, ~~*Carpets*~~ *Textile floor coverings – Determination of number of tufts and/or loops per unit length and per unit area*

ISO 1765, *Machine-made textile floor coverings – Determination of thickness*

ISO 1766, *Textile floor coverings – Determination of thickness of pile above the substrate*

ISO 1833-1, *Textiles – ~~Binary fibre mixtures –~~ Quantitative chemical analysis – General principles of testing*

ISO 2060, *Textiles – Yarn from packages – Determination of linear density (mass per unit length) by the skein method*

ISO 2061, *Textiles – Determination of twist in yarns – Direct counting method*

ISO 2424, *Textile floor coverings – Vocabulary*

ISO 4032, *Hexagon nuts (style 1) – Product grades A and B*

ISO 4766, *Slotted set screws with flat point*

ISO 6989, *Textile fibres – Determination of length and length distribution of staple fibres (by measurement of single fibres)*

ISO 8543, *Textile floor coverings – Methods for determination of mass*

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[1] Under preparation. Stage at the time of publication: IEC ~~CDV~~ AFDIS 62885-2:~~2017~~2020.

ISO 13320, *Particle size analysis — Laser diffraction methods*

BS 4223, *Methods for determination of constructional details of carpets with yarn pile*

BS 8459, *Determination of extractable matter in textiles – Method*

DIN 1587, *Hexagon domed cap nuts*

EN 1307, *Textile floor coverings – Classification*

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