



SLOVENSKI STANDARD
oSIST prEN IEC/ASTM 62885-6:2025
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Naprave za površinsko čiščenje - 6. del: Čistilniki za mokro čiščenje trdih tal za gospodinjsko in podobno uporabo - Metode za merjenje učinkovitosti

Surface cleaning appliances - Part 6: Wet hard floor cleaning appliances for household or similar use - Methods for measuring the performance

Geräte zur Oberflächenreinigung - Teil 6: Nassreinigungsgeräte für Hartböden für den Hausgebrauch und ähnliche Anwendungen - Verfahren zur Messung der Gebrauchseigenschaften

Appareils de nettoyage des sols - Partie 6: Appareils de nettoyage des sols durs et mouillés à usage domestique ou analogue - Méthodes de mesure de l'aptitude à la fonction

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ICS:

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English Version

Surface cleaning appliances - Part 6: Wet hard floor cleaning
appliances for household or similar use - Methods for measuring
the performance
(IEC/ASTM 62885-6:2023)

Appareils de nettoyage des sols - Partie 6: Appareils de
nettoyage des sols durs et mouillés à usage domestique ou
analogue - Méthodes de mesure de l'aptitude à la fonction
(IEC/ASTM 62885-6:2023)

Geräte zur Oberflächenreinigung - Teil 6:
Nassreinigungsgeräte für Hartböden für den Hausgebrauch
und ähnliche Anwendungen - Verfahren zur Messung der
Gebrauchseigenschaften
(IEC/ASTM 62885-6:2023)

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2025-02-21.

The text of this draft consists of the text of IEC/ASTM 62885-6:2023 (59F/480/FDIS).

If this draft becomes a European Standard, CENELEC 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.

This draft European Standard was established by CENELEC in three official versions (English, French, German).
A version in any other language made by translation under the responsibility of a CENELEC 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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prEN IEC/ASTM 62885-6:2024 (E)

European foreword

This document (prEN IEC/ASTM 62885-6:2024) consists of the text of document IEC/ASTM 62885-6:2023, prepared by IEC/SC 59F "Surface cleaning appliances" of IEC/TC 59 "Performance of household and similar electrical appliances" and ASTM Committee F11 "Vacuum cleaners".

This document is currently submitted to the Enquiry.

The following dates are proposed:

- latest date by which the existence of this document (doa) dav + 6 months has to be announced at national level
- latest date by which this document has to be (dop) dav + 12 months implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards (dow) dav + 36 months conflicting with this document have to be withdrawn (to be confirmed or modified when voting)

This document will supersede EN IEC/ASTM 62885-6:2019 and all of its amendments and corrigenda (if any).

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60335-1	-	Household and similar electrical appliances - Safety - Part 1: General requirements	EN IEC 60335-1	-
IEC 60335-2-2	-	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances	EN IEC 60335-2-2	-
IEC 60335-2-10	-	Household and similar electrical appliances - Safety - Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines	EN 60335-2-10	-
IEC 60335-2-54	-	Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam	EN 60335-2-54	-
IEC 60688	-	Electrical measuring transducers for converting AC and DC electrical quantities to analogue or digital signals	EN IEC 60688	-
IEC 60734	2012	Household electrical appliances - Performance - Water for testing	EN 60734	2012



IEC/ASTM 62885-6

Edition 2.0 2023-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Surface cleaning appliances –
Part 6: Wet hard floor cleaning appliances for household or similar use –
Methods for measuring the performance**

**Appareils de nettoyage des sols –
Partie 6: Appareils de nettoyage des sols durs et mouillés à usage domestique
ou analogue – Méthodes de mesure de l'aptitude à la fonction**

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CONTENTS

FOREWORD.....	5
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	8
4 General conditions for testing	10
4.1 Atmospheric conditions	10
4.2 Test equipment and materials	10
4.3 Voltage and frequency	10
4.4 Running-in of wet hard floor cleaners.....	11
4.4.1 Mains-operated wet hard floor cleaner.....	11
4.4.2 Cordless wet hard floor cleaner	11
4.5 Equipment of the wet hard floor cleaner	11
4.6 Operation of the wet hard floor cleaner	12
4.6.1 General	12
4.6.2 Charging of the cordless wet hard floor cleaner	13
4.6.3 Battery conditions for testing	13
4.7 Conditioning prior to each test	14
4.7.1 General	14
4.7.2 Preparations specific to steam cleaners.....	14
4.7.3 Preparations for other wet hard floor cleaners	14
4.7.4 Determining track cleaning width	15
4.8 Mechanical operator	15
4.9 Number of samples.....	15
4.10 Test floor tiles	15
4.11 Stroke length and test area.....	16
4.12 Stroke speed	16
5 Wet hard floor cleaning tests	16
5.1 Stain cleaning efficiency of hard flat floors	16
5.1.1 General	16
5.1.2 Apparatus.....	16
5.1.3 Materials	17
5.1.4 Sampling and test trials	17
5.1.5 Method	17
5.2 Soil cleaning efficacy of hard flat floors	26
5.2.1 General	26
5.2.2 Apparatus.....	26
5.2.3 Materials	26
5.2.4 Sampling and test trials	26
5.2.5 Method	26
5.3 Battery runtime determination for cordless wet hard floor cleaners.....	33
5.3.1 Test equipment.....	33
5.3.2 Test setup	33
5.3.3 Test procedure	33
5.3.4 Determination of battery runtime.....	33
5.4 Floor wetness (<i>future development</i>)	35
5.5 Floor coverage (<i>future development</i>).....	35
5.6 Soil removal along walls (i.e. edge cleaning) (<i>future development</i>)	35

5.7	Pad loading test for steam cleaners (<i>future development</i>)	35
5.8	Air data (<i>future development</i>)	35
6	Miscellaneous tests	35
6.1	General.....	35
6.2	Motion resistance (<i>future development</i>)	35
6.3	Cleaning under furniture (<i>future development</i>)	35
6.4	Radius of operation.....	35
6.4.1	Purpose.....	35
6.4.2	Conditions for measurement.....	35
6.4.3	Determination of radius of operation	35
6.5	Impact resistance for floor cleaning heads	36
6.5.1	Purpose.....	36
6.5.2	Test equipment.....	36
6.5.3	Determination of impact resistance	36
6.6	Mass.....	36
6.7	Weight in hand.....	36
6.8	Specific cleaning time	37
6.9	Dimensions	37
6.10	Noise level (<i>future development</i>).....	37
6.11	Energy consumption (<i>future development</i>)	37
6.12	Operational life-time test (<i>future development</i>)	37
6.13	Rated input power.....	37
7	Test material and equipment	38
7.1	General.....	38
7.2	Material for tests	38
7.2.1	Test surfaces.....	38
7.2.2	Test soils.....	38
7.2.3	Demineralized water	40
7.3	Equipment for tests	40
7.3.1	Runtime test plate	40
7.3.2	Mechanical operator	40
7.3.3	Tile floor cleaning fixture	41
7.3.4	Adjustable pipette	41
7.3.5	Stain and Soil application templates	42
7.3.6	Hold-downs and guides	43
7.3.7	Device for impact test	44
7.3.8	Magnetic stirring device	44
7.3.9	Soil mixing jars	45
7.3.10	Spoon and spatula for spreading pasty soils	46
7.3.11	Electronic scale for weighting tiles	46
7.3.12	Tile drying rack for preparing and drying soil stains	47
7.3.13	Food strainer for removal of solids in tartar sauce	47
8	Instructions for use	47
	Annex A (informative) Information on materials	48
	Annex B (informative) Information at the point of sale	49
	Bibliography.....	50

Figure 1 – Track cleaning width (W_T) with brush	15
Figure 2 – Marking of tile	19
Figure 3 – Soiling with coffee	20
Figure 4 – Application of pasty soils	21
Figure 5 – Removal of excess soil	22
Figure 6 – Cleaning stroke starting position	23
Figure 7 – End position after first stroke	24
Figure 8 – Jar with magnetic spinner (tare weighted)	27
Figure 9 – Properly mixed soil grime	28
Figure 10 – Soil grime settling results after 12 h	28
Figure 11 – Location of type B soiling template on porcelain tile	29
Figure 12 – Soiling a porcelain tile with pipette	29
Figure 13 – Soiled tile after 4 h drying time	30
Figure 14 – Tile placement and cleaning stroke starting position	31
Figure 15 – End position after forward cleaning stroke	31
Figure 16 – Test setup for runtime determination	33
Figure 17 – Example of zigzag cleaning pattern	37
Figure 18 – Mechanical operator for executing cleaning tests	40
Figure 19 – Tile floor cleaning fixture with guides and stroke pacing device	41
Figure 20 – Adjustable pipette: 100 μ l to 1000 μ l range for applying liquid stains	41
Figure 21 – Stain application template (type A)	42
Figure 22 – Silicone soil grime application template (type B)	43
Figure 23 – Floor tile hold-downs and guides	43
Figure 24 – Drum for impact test	44
Figure 25 – Magnetic stirring device (example)	45
Figure 26 – 475 ml glass mixing jar example	45
Figure 27 – Spoon and spatula examples	46
Figure 28 – Electronic scale example	46
Figure 29 – Tile drying rack example	47
Figure 30 – Food strainer example	47
Table 1 – Example of corrected cleaning results with applied P_f	25
Table 2 – Example of cleaning results with P_f applied	25
Table 3 – Soils, composition, tools	39
Table 4 – Distance between holes	42
Table 5 – Inside dimension (b)	43

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SURFACE CLEANING APPLIANCES –**Part 6: Wet hard floor cleaning appliances for household
or similar use – Methods for measuring the performance**

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.
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- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) IEC draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC had not received notice of (a) patent(s), which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at <https://patents.iec.ch>. IEC shall not be held responsible for identifying any or all such patent rights.

IEC/ASTM 62885-6 has been prepared by a Joint Working Group of subcommittee 59F: Surface cleaning appliances, of IEC technical committee 59: Performance of household and similar electrical appliances and ASTM Committee F11: Vacuum cleaners. It is an International Standard.

It is published as a dual logo standard.

This second edition cancels and replaces the first edition published in 2018. This edition constitutes a technical revision.

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

- a) Expanded the Scope to include cordless cleaners.
- b) Changed definition for "cleaning width" to "track cleaning width" in 3.7 and provided instructions for determining "track cleaning width" in 4.7.4.
- c) Changed "runtime" definition to "battery runtime" in 3.22.
- d) Added IKW soil instructions, and also a penalty factor calculation with correction examples for products designed with cleaning gaps to section 5.1 "Stain cleaning efficiency of hard flat floors".
- e) Retitled 5.2 "Dirt pickup test" to "Soil cleaning efficacy of hard flat floors" and added comprehensive instructions for executing the method.
- f) Added section 5.3 "Battery runtime" procedure patterned after IEC 62885-4 cordless standard.
- g) Modified Test soils in 7.2.2. to add IKW and Akzo-Nobel soils.

The text of this International Standard is based on the following documents:

Draft	Report on voting
59F/480/FDIS	59F/482/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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.

In this standard, the following print types are used:

Terms defined in Clause 3: **bold type**.

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

- reconfirmed,
- withdrawn, or
- revised.

IMPORTANT – The "colour inside" logo on the cover page of this document indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

The content of the corrigendum 1 (2024-11) has been included in this copy.

SURFACE CLEANING APPLIANCES –

Part 6: Wet hard floor cleaning appliances for household or similar use – Methods for measuring the performance

1 Scope

This part of IEC 62885 is applicable for measurements of the performance of mains-operated and cordless wet hard floor cleaning appliances for household or similar use. In the case of appliances with combined functionality, this document only addresses the wet cleaning functionality.

The purpose of this document is to specify essential performance characteristics of wet hard floor cleaning appliances that are of interest to users and to describe methods for measuring these characteristics.

NOTE 1 Owing to the influence of environmental conditions, variations in time, origin of test materials and proficiency of the operator, most of the described test methods give more reliable results when applied to comparative testing of a number of appliances at the same time, in the same laboratory and by the same operator.

NOTE 2 This document is not intended for cleaning appliances according to IEC 60335-2-79 and robotic wet hard floor cleaning appliances.

For safety requirements, reference is made to IEC 60335-1, IEC 60335-2-2, IEC 60335-2-10, and IEC 60335-2-54.

A recommendation on information for the consumer at the point of sale is given in Annex B.

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 60335-1, *Household and similar electrical appliances – Safety – Part 1: General requirements*

IEC 60335-2-2, *Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances*

IEC 60335-2-10, *Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines*

IEC 60335-2-54, *Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam*

IEC 60688, *Electrical measuring transducers for converting A.C. and D.C. electrical quantities to analogue or digital signals*

IEC 60734:2012, *Household electrical appliances – Performance – Water for 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:

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

3.1

wet hard floor cleaner

electrically operated appliance that removes wet or dry stains and soils (e.g. beverage & food stains, floor grime, etc.) from a hard floor surface to be cleaned by use of water alone, a detergent solution mix, or use of steam, and may employ an air flow created by a vacuum developed within the unit, the removed material being separated in the appliance and the cleaned suction air being returned to the ambient air

3.2

cordless wet hard floor cleaner

wet hard floor cleaner that is not mains-operated

Note 1 to entry: The term "cordless" is equivalent to "battery-operated" throughout the document.

3.3

steam cleaner

wet hard floor cleaner that uses steam, and generally employs a soft absorbent pad to transfer hot moisture to the floor surface and to absorb and remove the stains and soils

3.4

cleaning head

plain nozzle, pad, or brush attached to a **wet hard floor cleaner** that is applied to a surface to be cleaned

3.5

active nozzle

cleaning head provided with a driven agitation device to assist stain or soil removal

3.6

passive nozzle

cleaning head without any driven agitation device

3.7

W_T

track cleaning width

maximum measured width of the cleaning pad or brush(es) employed in the **cleaning head** of the **wet hard floor cleaner**, expressed in millimetres, and determined in accordance with 4.7.4

3.8

cleaning cycle

execution of one **double stroke** to be carried out at a specified **stroke speed** over the test area

3.9

stroke pattern

arrangement of the **forward strokes** and **return strokes** on the surface to be cleaned