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Sanitetsenheter – Badkar tillverkade av slagtåliga samextruderade ABS/acrylskivor – Krav och provningsmetoder

Sanitary appliances – Baths made from impact modified coextruded ABS/acrylic sheets – Requirements and test methods

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Denna standard ersätter SS-EN 15719:2009, utgåva 1.

The European Standard EN 15719:2015 has the status of a Swedish Standard. This document contains the official English version of EN 15719:2015.

This standard supersedes the Swedish Standard SS-EN 15719:2009, edition 1.

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Denna standard är framtagen av kommittén för Sanitetsenheter, SIS/TK 198/AG 163.

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EUROPEAN STANDARD

EN 15719

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2015

ICS 91.140.70

Supersedes EN 15719:2009

English Version

Sanitary appliances - Baths made from impact modified coextruded ABS/acrylic sheets - Requirements and test methods

Appareils sanitaires - Baignoires en feuilles coextrudées ABS/acrylique modifié choc - Prescriptions et méthodes d'essai

Sanitärausstattungsgegenstände - Badewannen, hergestellt aus schlagzäh-modifizierten coextrudierten ABS/Acrylplatten - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 20 September 2015.

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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Contents	Page
European foreword.....	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Requirements	5
4.1 General.....	5
4.2 Material.....	5
4.3 Surface appearance.....	5
4.4 Waste outlet hole.....	5
4.5 Overflow hole.....	6
4.6 Hole edges.....	6
4.7 Bath-mounted tapware.....	6
4.8 Handgrips.....	6
4.9 Dimensional deviations.....	6
4.10 Geometric deviations.....	6
4.10.1 General.....	6
4.10.2 Squaring.....	6
4.10.3 Straightness of the rim sides.....	6
4.10.4 Straightness of the bottom edge of the rim.....	6
4.10.5 Flatness of the top surface of the rim.....	7
4.11 Bottom of the bath.....	7
4.12 Resistance to temperature changes.....	7
4.13 Resistance to impact.....	7
4.14 Permitted deflections.....	7
4.15 Bath rims.....	7
4.16 Surface mechanical resistance.....	8
4.17 Chemical and stain resistance.....	8
5 Marking	8
Annex A (normative) Bath test methods	9
A.1 Sequence of tests.....	9
A.2 Geometric deviations.....	9
A.2.1 Test apparatus.....	9
A.2.2 Squaring.....	9
A.2.3 Straightness of the rim side.....	10
A.2.4 Straightness of the bottom edge of the rim.....	11
A.2.5 Flatness of the top surface of the rim.....	12
A.3 Resistance to temperature change.....	13
A.3.1 Test apparatus.....	13
A.3.2 Procedure.....	13
A.4 Resistance to impact.....	14

A.4.1	Test apparatus	14
A.4.2	Test procedure	14
A.5	Determination of deflections	15
A.5.1	General	15
A.5.2	Test apparatus	15
A.5.3	Installation methods	16
A.5.4	Preloading	18
A.5.5	Deflection test 1 - Deflection of the rim and the bottom due to a load on the bottom	18
A.5.6	Deflection test 2 - Deflection of the bottom and rim due to a load on the bottom	20
A.5.7	Deflection test 3 - Deflection of the rim due to a load on the long side of the rim	21
A.5.8	Deflection test 4 - Deflection of the rim due to a load on the end of the bath	22
A.6	Handgrip tests	24
A.6.1	General	24
A.6.2	Test apparatus	24
A.6.3	Procedure	24
A.7	Resistance to scratching	24
A.7.1	Test apparatus	24
A.7.2	Test specimen	25
A.7.3	Procedure	25
	Bibliography	27

European foreword

This document (EN 15719:2015) has been prepared by Technical Committee CEN/TC 163 “Sanitary appliances”, the secretariat of which is held by UNI.

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 May 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15719:2009.

The only change from the previous edition is in A.7.3 where “50 %” has been changed to “25 %”.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies requirements for baths for domestic purposes made from impact modified coextruded ABS/acrylic sheets conforming to EN 13559 with the aim of ensuring that the product, when installed in accordance with the manufacturer's instructions, will provide satisfactory performance in use.

This European Standard is applicable to all sizes and shapes of baths.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 232, *Baths — Connecting dimensions*

EN 13559:2003, *Specifications for impact modified coextruded ABS/Acrylic sheets for baths and shower trays for domestic purposes*

ISO 4586-2:2004, *High-pressure decorative laminates — Sheets made from thermosetting resins — Part 2: Determination of properties*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

domestic purposes

use in homes, hotels, accommodation for students, hospitals and similar buildings, except when special medical provisions are required

4 Requirements

4.1 General

The manufacturer shall provide instructions for installation and care with each bath.

The bath shall be free from sharp edges that would be exposed after the installation of the bath in accordance with the manufacturer's instructions.

4.2 Material

The bath shall be manufactured from impact modified coextruded ABS/acrylic sheet material complying with EN 13559.

4.3 Surface appearance

When the bath is visually inspected under strong and oblique illumination there shall be no evidence of cracks, chips, or other surface defects, such as unexpected changes in colours, etc. that will impair the appearance or performance of the bath.

4.4 Waste outlet hole

The bath shall have at least one outlet hole. The dimensions of the waste outlet hole and the clearance around the waste outlet hole shall either be in accordance with the requirements of EN 232 or the manufacturer shall supply or recommend a suitable waste outlet fitting.

4.5 Overflow hole

When the bath is provided with an overflow hole the dimensions of the overflow hole and the clearance around the overflow hole shall either be in accordance with the requirements of EN 232 or the manufacturer shall supply or recommend a suitable overflow fitting.

4.6 Hole edges

The edges of any holes in the bath shall not show evidence of chips, cracks, or any other defects that may impair the appearance or performance of the bath.

4.7 Bath-mounted tapware

When the bath is intended to accommodate bath-mounted tapware the space and area provided shall either comply with the requirements of EN 232 or the manufacturer shall supply or recommend a suitable tapware.

4.8 Handgrips

When a handgrip(s) is fitted it shall be tested in accordance with A.6 and the bath and the handgrip shall be free from any permanent deformation or other defects that will impair the functioning and/or the appearance of the bath.

If not pre-fitted by the manufacturer, the manufacturer's instructions shall indicate how and where the handgrips are fitted.

4.9 Dimensional deviations

The dimensions of baths shall not deviate from the size quoted by the manufacturer by greater than ± 5 mm.

If the manufacturer states two sizes (e.g. both a work size and a nominal size) he shall state to which size the permitted deviations apply.

For round baths, length and width correspond to the diameter.

4.10 Geometric deviations

4.10.1 General

The straight sides or edges of the bath that might abut independent surroundings or supporting structures shall comply with the requirements of 4.10.2 to 4.10.4 and all baths shall comply with 4.10.5. These requirements are not applicable to sides or edges that are purposely designed as curves or slopes.

4.10.2 Squaring

When tested in accordance with A.2.2 the deviation from square, Δq , shall be less than or equal to 5 mm.

4.10.3 Straightness of the rim sides

When tested in accordance with A.2.3 the deviation from straightness of the rim sides, Δs , shall be less than or equal to 5 mm.

4.10.4 Straightness of the bottom edge of the rim

When tested in accordance with A.2.4 the deviation from straightness of the bottom edge of the rim, Δr , shall be less than or equal to 5 mm.

4.10.5 Flatness of the top surface of the rim

When tested in accordance with A.2.5 the deviation from flatness of the top surface of the rim, *c*, shall be less than or equal to 5 mm.

4.11 Bottom of the bath

When the bath is installed in accordance with the manufacturer's instructions and the waste outlet hole is open, all water shall empty from the bath unless prevented by surface tension.

4.12 Resistance to temperature changes

When tested in accordance with A.3 baths shall show no evidence of distortion or other defects that impair the appearance or functioning of the bath and any deflection shall be less than or equal to 4 mm.

4.13 Resistance to impact

When tested in accordance with A.4 the bottom and the rim of the bath shall show no evidence of distortion or other defects that impair the appearance or functioning of the bath.

4.14 Permitted deflections

When tested in accordance with A.5 the deflections shall be less than or equal to the values given in Table 1.

Table 1 — Permitted deflections

Test method	Maximum deflections ^a under load and permitted residual deflections for installation methods ^b				
	mm				
	a)	b)	c)	d)	e)
A.5.5	≤ 1 on the four free rims ≤ 2 on the bottom	≤ 1 on the three free rims ≤ 0,5 on the fixed rim ≤ 2 on the bottom	≤ 1 on the two free rims ≤ 0,5 on the two fixed rims ≤ 2 on the bottom	≤ 1 on the free rim ≤ 0,5 on the three fixed rims ≤ 2 on the bottom	≤ 0,5 on all rims ≤ 2 on the bottom
A.5.6	≤ 2 on the four free rims ≤ 3 on the bottom	≤ 2 on the three free rims ≤ 0,5 on the fixed rim ≤ 3 on the bottom	≤ 2 on the two free rims ≤ 0,5 on the two fixed rims ≤ 3 on the bottom	≤ 2 on the free rim ≤ 0,5 on the three fixed rims ≤ 3 on the bottom	≤ 0,5 on all rims ≤ 3 on the bottom
A.5.7	≤ 4 on the rim ≤ 0,3 residual	≤ 4 on the rim ≤ 0,3 residual	≤ 4 on the rim ≤ 0,3 residual	≤ 4 on the rim ≤ 0,3 residual	Not applicable
A.5.8	≤ 4 on the rim ≤ 0,3 residual	≤ 4 on the rim ≤ 0,3 residual	≤ 4 on the rim ≤ 0,3 residual	Not applicable	Not applicable
^a Values in addition to any deflection of the test rig (see A.5.2). ^b See A.5.3.					

4.15 Bath rims

When a bath incorporating a nominally flat top surface of the rim is installed in accordance with the manufacturer's instructions, the rim shall not encourage water to drain away from the inside of the