

LAPSEHOOLDUSTOOTED. VANNID, VANNIDE
TUGIALUSED JA MITTE-ISESEISVAD ABIVAHENDID
SUPLEMISEKS. OHUTUSNÕUDED JA KATSEMEETODID

Child care articles - Bath tubs, stands and
non-standalone bathing aids - Safety requirements and
test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 17072:2018 sisaldab Euroopa standardi EN 17072:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 17072:2018 consists of the English text of the European standard EN 17072:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.12.2018.	Date of Availability of the European standard is 19.12.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 97.190

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Koduleht www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

ICS 97.190

English Version

Child care articles - Bath tubs, stands and non-standalone bathing aids - Safety requirements and test methods

Articles de puériculture - Baignoires, supports et aides
au bain non indépendantes - Exigences de sécurité et
méthodes d'essai

Artikel für Säuglinge und Kleinkinder - Badewannen,
Gestelle und nicht freistehende Badehilfen -
Sicherheitsanforderungen und Prüfverfahren

This European Standard was approved by CEN on 19 October 2018.

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.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Contents	Page
European foreword.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Test equipment.....	7
4.1 Test probes for finger entrapment.....	7
4.1.1 Test probes with hemispherical end.....	7
4.1.2 Shape assessment probe.....	8
4.2 Test probes for head entrapment.....	8
4.2.1 Small head probe.....	8
4.2.2 Large head probe.....	9
4.2.3 Template for partially bound and V shaped openings.....	9
4.3 Test mass A.....	10
4.4 Small parts cylinder.....	11
4.5 Feeler gauge.....	12
4.6 Test glass surface.....	12
4.7 Test surface for drop test and impact test.....	12
4.8 Tube.....	12
4.9 Steel ball.....	13
4.10 Test beam.....	13
4.11 Test base for bath mounted supports.....	13
5 General requirements.....	14
5.1 Product conditioning.....	14
5.2 Test conditions.....	15
5.3 Application of forces.....	15
5.4 Tolerances.....	15
5.5 Order of test.....	15
6 Chemical hazards — Migration of certain elements (see A.2).....	15
7 Mechanical hazards (see A.3).....	16
7.1 General.....	16
7.2 Entrapment hazards.....	16
7.2.1 Entrapment of fingers.....	16
7.2.2 Entrapment of head.....	17
7.3 Hazards due to moving parts.....	19
7.3.1 Requirements for compression points.....	19
7.3.2 Requirements for shear points.....	20
7.4 Entanglement hazards.....	20
7.4.1 Requirements.....	20
7.4.2 Test method.....	21
7.5 Choking and ingestion hazards.....	21
7.5.1 Requirements.....	21
7.5.2 Test methods.....	21
7.6 Suffocation hazards — Plastic packaging.....	22
7.7 Hazardous edges, corners and protruding parts.....	22

7.8	Hazards from inadequate structural integrity.....	23
7.8.1	Thermal shock.....	23
7.8.2	Static strength of bath tubs.....	23
7.8.3	Static strength of non-standalone bathing aids.....	23
7.8.4	Static strength of stands.....	24
7.8.5	Strength and retention of suction cups.....	24
7.8.6	Impact test.....	24
7.9	Hazards due to folding or adjusting of the product.....	25
7.9.1	General.....	25
7.9.2	Attachment device(s) for non-standalone bathing aids.....	25
7.9.3	Foldable bath tubs.....	25
7.9.4	Stands.....	26
7.10	Hazards due to plastic decals.....	27
7.10.1	Requirement.....	27
7.10.2	Conditioning of plastic decals.....	27
7.11	Castors/wheels.....	27
7.11.1	Requirements.....	27
7.11.2	Requirements for parking device.....	27
7.11.3	Test methods for lockable wheels.....	27
7.12	Hazards due to inadequate stability.....	28
7.12.1	Requirements.....	28
7.12.2	Test methods.....	29
8	Product information.....	30
8.1	General.....	30
8.2	Marking of the product.....	31
8.2.1	Requirements.....	31
8.2.2	Durability of marking.....	32
8.2.3	Test method for durability of marking.....	32
8.2.4	Determination of maximum level of water for non-standalone bath cradles and integrated bath cradles.....	32
8.3	Purchase information.....	33
8.4	Instructions for use.....	33
Annex A	(informative) Rationales.....	36
A.1	General.....	36
A.2	Chemical hazards (see Clause 6).....	36
A.3	Mechanical hazards (see Clause 7).....	36
A.3.1	General.....	36
A.3.2	Entrapment hazards.....	36
A.3.3	Hazards due to moving parts.....	36
A.3.4	Entanglement hazards.....	37
A.3.5	Choking and ingestion hazards.....	37
A.3.6	Suffocation hazards.....	37
A.3.7	Hazardous edges, corners and protruding parts.....	37
A.3.8	Hazards from inadequate structural integrity.....	37
A.3.9	Hazards due to folding or adjusting of the product.....	37
A.3.10	Plastic decals.....	38
A.3.11	Hazards due to inadequate stability.....	38
A.4	Drowning hazard.....	38
A.5	Thermal hazards.....	38
Annex B	(normative) Warnings.....	39
Bibliography	46

European foreword

This document (EN 17072:2018) has been prepared by Technical Committee CEN/TC 252 “Child care articles”, the secretariat of which is held by AFNOR.

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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 has been prepared under Mandate M/464 given to CEN by the European Commission and the European Free Trade Association.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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.

1 Scope

This document specifies safety requirements and test methods for children's bath tubs and stands and for non-standalone bathing aids that are designed and intended to be used only in conjunction with a children's bath tub.

This document does not cover children's bath tubs and stands and non-standalone bathing aids designed for children with special needs.

NOTE 1 Standalone bathing aids are covered in EN 17022.

NOTE 2 Where the product has several functions or can be converted into another function it is due to comply with relevant standard(s).

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.

EN 71-3, *Safety of toys — Part 3: Migration of certain elements*

EN ISO 291, *Plastics — Standard atmospheres for conditioning and testing (ISO 291)*

ISO 7619-1, *Rubber, vulcanized or thermoplastic — Determination of indentation hardness — Part 1: Durometer method (Shore hardness)*

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

children's bath tub

product providing containment of water by itself, designed for bathing children, which can be used as stand-alone product or combined with stands

Note 1 to entry: A bath tub can also be foldable or can comprise integral parts that can be folded or adjusted (e.g. foldable legs).

Note 2 to entry: When the wording "bath tub" is used in the standard it refers to children's bath tubs unless otherwise stated.

3.2

stand

static structure, not integrated into the children's bath tub, designed to accommodate, support and elevate a children's bath tub

Note 1 to entry: A stand can either be standalone or be designed to be fitted over an adult bath tub.