

Dit document mag slechts op een stand-alone PC worden geïnstalleerd. Gebruik op een netwerk is alleen toestaan als een aanvullende licentieovereenkomst voor netwerkgebruik met NEN is afgesloten.
This document may only be used on a stand-alone PC. Use in a network is only permitted when a supplementary license agreement for us in a network with NEN has been concluded.

Vervangt NEN-EN 12221-2:1995 Ontw.

Nederlandse norm

NEN-EN 12221-2

Kindercommodes voor huishoudelijk gebruik -
Deel 2: Beproevingmethoden

Changing seats for domestic use - Part 2: Test methods

ICS 97.190
augustus 1999

Als Nederlandse norm is aanvaard:
- EN 12221-2:1999, IDT

Normcommissie 330 001 "Kinderartikelen"
Auteursrecht voorbehouden. Behoudens uitzondering door de wet gesteld mag zonder schriftelijke toestemming van het Nederlands Normalisatie-instituut niets uit deze uitgave worden verveelvoudigd en/of openbaar gemaakt door middel van fotokopie, microfilm, opslag in computerbestanden of anderszins, hetgeen ook van toepassing is op gehele of gedeeltelijke bewerking.

Apart from exceptions provided by the law, nothing from this publication may be duplicated and/or published by means of photocopy, microfilm, storage in computer files or otherwise, which also applies to full or partial processing, without, the written consent of the Netherlands Standards Institute.

The Netherlands Standards Institute shall with the exclusion of any other beneficiary collect payments owed by third parties for duplication and/or act in and out of law, where this authority is not transferred or falls by right to the Reproduction rights Foundation.

Auteursrecht voorbehouden. Behoudens uitzondering door de wet gesteld mag zonder schriftelijke toestemming van het Nederlands Normalisatie-instituut niets uit deze uitgave worden verveelvoudigd en/of openbaar gemaakt door middel van fotokopie, microfilm, opslag in computerbestanden of anderszins, hetgeen ook van toepassing is op gehele of gedeeltelijke bewerking.

Het Nederlands Normalisatie-instituut is met uitsluiting van ieder ander gerechtigd de door derden verschuldigde vergoedingen voor verveelvoudiging te innen en/of daartoe in en buiten rechte op te treden, voor zover deze bevoegdheid niet is overgedragen c.q. rechtens toekomt aan de Stichting Reprorecht.

Although the utmost care has been taken with this publication, errors and omissions cannot be entirely excluded. The Netherlands Standards Institute and/or the members of the commissions therefore accept no liability, not even for direct or indirect damage, occurring due to or in relation with the application of publications put out by the Netherlands Standards Institute.

Hoewel bij deze uitgave de uiterste zorg is nagestreefd, kunnen fouten en onvolledigheden niet geheel worden uitgesloten. Het Nederlands Normalisatie-instituut en/of de leden van de commissies aanvaarden derhalve geen enkele aansprakelijkheid, ook niet voor directe of indirecte schade, ontstaan door of verband houdende met toepassing van door het Nederlands Normalisatie-instituut gepubliceerde uitgaven.

Nederlands voorwoord

Voor de in deze norm vermelde normatieve verwijzingen bestaan in Nederland de volgende equivalenten:

<u>Vermelde norm</u>	<u>Nederlandse norm</u>	<u>Titel</u>
EN 12221-1	NEN-EN 12221-1	Kindercommodes voor huishoudelijk gebruik - Deel 1: Veiligheidseisen
ISO 48:1979	-	-

Voorbeeld
Preview

ICS 97.190

English version

Changing units for domestic use - Part 2: Test methods

Dispositifs à langer à usage domestique - Partie 2:
Méthodes d'essai

Wickeleinrichtungen für den Hausgebrauch - Teil 2:
Prüfverfahren

This European Standard was approved by CEN on 25 October 1998.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Preview



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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Contents

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 General.....	5
4 Test equipment	5
4.1 Slide gauge	6
4.2 Test cylinder	6
4.3 Force-measuring device.....	6
4.4 Test base.....	6
4.5 Stops	6
4.6 Test weight	6
4.7 Cylinder.....	7
4.8 Test beam	7
4.9 Tube.....	7
4.10 Steel ball	7
4.11 Side impacter.....	8
4.12 Child's head probes.....	9
4.13 Measuring probes	10
5 Test procedure	10
5.1 Assembly and inspection before test	10
5.2 Measurement of changing area	10
5.3 Materials.....	11
5.4 Measurement of gaps, holes and openings	11
5.5 Moving parts.....	12
5.6 Small detachable components	12
5.7 Stability	12
5.8 Strength	15
5.9 Barriers	16
5.10 Changing board flap	16
5.11 Security of locking mechanisms.....	17
5.12 Locking and folding of the complete unit	17
5.13 Child bath tub.....	18
5.14 Castors and wheels	18
6 Test report	18

Foreword

This European Standard has been jointly prepared by Technical Committee CEN/TC 252, "Child use and care articles", the secretariat of which is held by AFNOR and CEN/TC 207 "Furnitures", the secretariat of which is held by IBN.

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 February 2000, and conflicting national standards shall be withdrawn at the latest by February 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

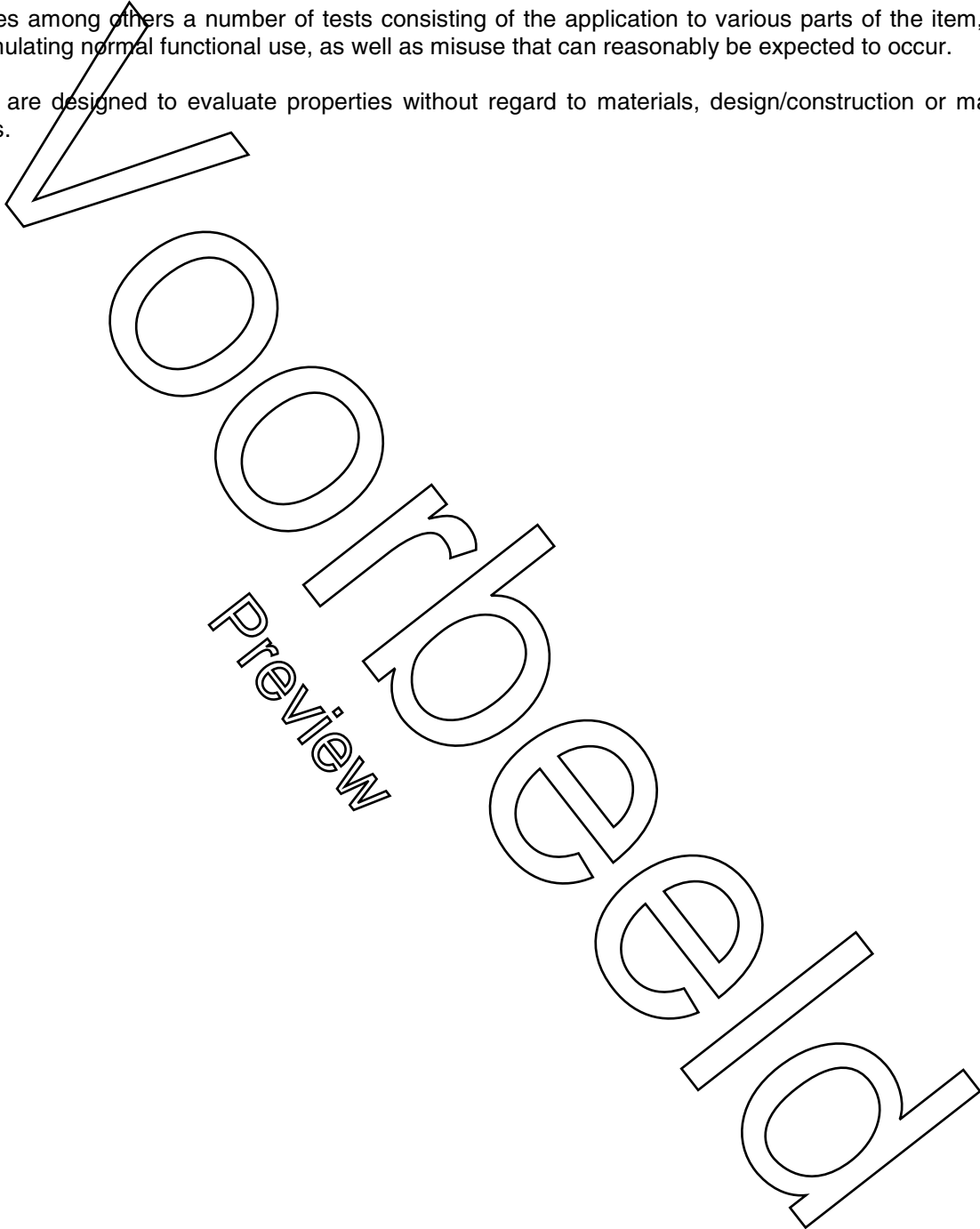
Copyright
Preview

Introduction

This part of EN 12221 has been prepared in order to provide assurance that changing units conforming to the requirements in EN 12221-1 are reasonably safe.

It describes among others a number of tests consisting of the application to various parts of the item, of loads or forces simulating normal functional use, as well as misuse that can reasonably be expected to occur.

The tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes.



1 Scope

This part of EN 12221 describes tests methods that assess the safety of changing units for domestic use.

The tests are designed to be applied to a changing unit that is fully assembled and ready for use.

NOTE The test results are only valid for the article tested. When the test results are intended to be applied to other similar articles, the test specimen should be representative of the production model.

In the case of designs not catered for in the test procedures, the test should be carried out as far as possible as described, and a list made of the deviations from the test procedure.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 12221-1, *Changing units for domestic use - Part 1 : Safety requirements.*

ISO 48:1979, *Vulcanised rubbers - Determination of hardness (Hardness between 30 and 85 IRHD).*

3 General

If not otherwise stated, all forces shall have an accuracy of $\pm 5\%$, all masses an accuracy of $\pm 0,5\%$ and all dimensions an accuracy of $\pm 0,5\text{ mm}$.

Before any of the tests are commenced, the item shall be old enough to ensure that it has developed its full strength. At least four weeks in normal indoor conditions shall have elapsed between manufacture and testing in the case of glued joints in timber and the like.

The sample for testing shall be stored in indoor ambient conditions for at least one week immediately prior to testing - any variation from this procedure shall be justified in the report.

Before testing, any fabrics used shall be cleaned or washed and dried twice following the manufacturer's instructions.

The test shall be carried out in indoor ambient conditions, but if during a test the atmosphere temperature is outside the range $15\text{ }^{\circ}\text{C}$ or above $25\text{ }^{\circ}\text{C}$, the maximum and/or minimum temperature shall be recorded in the test report.

The changing unit shall be tested as delivered. If of knock-down type, it shall be assembled according to instructions supplied with the unit. If the changing unit can be assembled or combined in different ways, the most onerous combinations shall be used for each test. The tests shall be carried out on the same specimen as listed.

Knock-down fittings shall be tightened before testing and shall not be retightened throughout the testing procedure.

4 Test equipment

NOTE Unless otherwise specified, test forces may be applied by any suitable device, because results are dependent only upon correctly applied forces and loads, and not upon the apparatus.

Bestelformulier

Stuur naar:

NEN Standards Products & Services
t.a.v. afdeling Klantenservice
Antwoordnummer 10214
2600 WB Delft



NEN Standards Products & Services

Postbus 5059
2600 GB Delft

Vlinderweg 6
2623 AX Delft

T (015) 2 690 390
F (015) 2 690 271

www.nen.nl/normshop

Ja, ik bestel

__ ex. NEN-EN 12221-2:1999 en Kindercommodes voor huishoudelijk gebruik € 50.04
- Deel 2: Beproevingmethoden

Wilt u deze norm in PDF-formaat? Deze bestelt u eenvoudig via www.nen.nl/normshop

Gratis e-mailnieuwsbrieven

Wilt u op de hoogte blijven van de laatste ontwikkelingen op het gebied van normen, normalisatie en regelgeving? Neem dan een gratis abonnement op een van onze e-mailnieuwsbrieven. www.nen.nl/nieuwsbrieven

Gegevens

Bedrijf / Instelling

T.a.v. O M O V

E-mail

Klantnummer NEN

Uw ordernummer BTW nummer

Postbus / Adres

Postcode Plaats

Telefoon Fax

Factuuradres (indien dit afwijkt van bovenstaand adres)

Postbus / Adres

Postcode Plaats

Datum Handtekening

Retourneren

Fax: 015 2 690 271

E-mail: klantenservice@nen.nl

Post: NEN Standards Products & Services,

t.a.v. afdeling Klantenservice
Antwoordnummer 10214,
2600 WB Delft

(geen postzegel nodig).

Voorwaarden

- De prijzen zijn geldig tot 31 december 2018, tenzij anders aangegeven.
- Alle prijzen zijn excl. btw, verzend- en handelingskosten en onder voorbehoud bij o.m. ISO- en IEC-normen.
- Bestelt u via de normshop een pdf, dan betaalt u geen handeling en verzendkosten.
- Meer informatie: telefoon 015 2 690 391, dagelijks van 8.30 tot 17.00 uur.
- Wijzigingen en typfouten in teksten en prijsinformatie voorbehouden.
- U kunt onze algemene voorwaarden terugvinden op: www.nen.nl/leveringsvoorwaarden.