

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 12825:1997 Ontw.

Nederlandse norm

NEN-EN 12825 (en)

Verhoogde vloeren

Raised access floors

ICS 91.060.30
september 2001

Als Nederlandse norm is aanvaard:
 - EN 12825:2001, IDT

Voorbeeld
 Preview

Normcommissie 353 323 "Verhoogde vloeren"

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 Standardization Institute.

The Netherlands Standardization 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 Standardization Institute and/or the members of the committees therefore accept no liability, not even for direct or indirect damage, occurring due to or in relation with the application of publications issued by the Netherlands Standardization Institute.

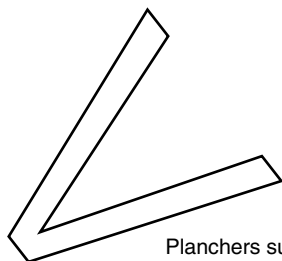
Hoewel bij deze uitgave de uiterste zorg is nagestreefd, kunnen fouten en onvolledigheden niet geheel worden uitgesloten. Het Nederlands Normalisatie-instituut en/of de leden van de commissies aanvaarden derhalve geen enkele aansprakelijkheid, ook niet voor directe of indirecte schade, ontstaan door of verband houdend 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 1081	NEN-EN 1081	Veerkrachtige vloerbedekkingen - Bepaling van de elektrische weerstand (en)
EN ISO 140-12	NEN-EN-ISO 140-12	Akoestiek - Het meten van geluidisolatie in gebouwen en van bouwelementen - Deel 12: Laboratoriummeting van de lucht- en contactgeluidisolatie tussen twee aangrenzende ruimten door een verhoogde vloer (en)
EN 1815	NEN-EN 1815	Veerkrachtige vloerbedekkingen en tapijten - Beoordeling van het electrostatisch gedrag (en)
prEN 12524:1996 EN 12664	- NEN-EN 12664	- Thermische eigenschappen van bouwmaterialen en producten - Bepaling van de warmteweerstand volgens de methode met afgeschermd "hot plate" en de methode met warmtestroommeter - Droge en natte producten met een lage en een gemiddelde warmteweerstand (en)
EN 12667	NEN-EN 12667	Thermische eigenschappen van bouwmaterialen en producten - Bepaling van de warmteweerstand volgens de methode met afgeschermd "hot plate" en de methode met warmtestroommeter - Producten met een gemiddelde en een hoge warmteweerstand (en)
prEN 13501-1:2000	SPS 13501-1:2000	Classificatie van bouwproducten en bouwdelen op grond van hun brandgedrag - Deel 1: Classificatie op grond van resultaten van beproeving van het brandgedrag (en)
prEN 13501-2:1999	NEN-EN 13501-2:1999 Ontw.	Classificatie brandwerendheid van bouwconstructies en bouwdelen - Deel 2: Classificatie gebruik makend van gegevens van brandwerendheidsproeven (behalve producten voor gebruik in ventilatiesystemen) (en)
prENV 61024-1:1995	-	-
HD 384.4.41	-	-
HD 384.4.473	-	-
HD 384.5.54	-	-
HD 384.6.61	-	-

ICS 91.060.30



Planchers surélevés

English version

Raised access floors

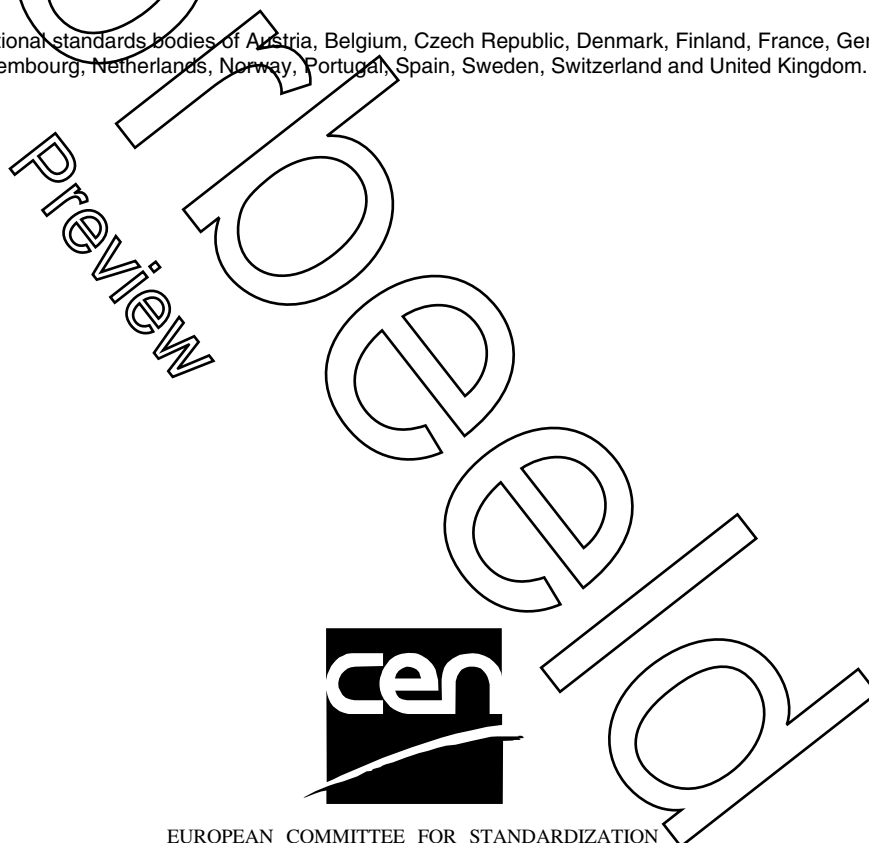
Doppelböden

This European Standard was approved by CEN on 21 July 2001.

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 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 Management Centre 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.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword	2
1 Scope	3
2 Normative references	3
3 Terms and definitions	4
4 Requirements	6
5 Test and measurement methods	9
6 Evaluation of conformity	33
7 Marking, labelling and packaging	34

Bibliography

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 323 "Raised Access Floors", the secretariat of which is held by SNV.

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 2002, and conflicting national standards shall be withdrawn at the latest by February 2002.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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.

1 Scope

This standard specifies the characteristics and performance requirements of raised access floors for which the main intended use is the internal fitting out of buildings, providing full access to the services to the plenum. This standard does not cover requirements related to dangerous substances which may be subject to regulations.

It is applicable to modular, factory made flooring elements, comprising panels and pedestals and defines the test methods and measurement.

It provides for the evaluation of conformity of the product to this European Standard.

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 other 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 (including amendments).

EN 1081

Resilient floor coverings - Determination of electrical resistance.

EN ISO 140-12

Acoustics – Measurement of sound insulation in buildings and of building elements – Part 12: Laboratory measurement of room to room airborne and impact sound insulation of an access floor (ISO 140-12:2000).

EN 1815

Resilient and textile floor coverings – Assessment of static electrical propensity.

prEN 12524

Building materials and products - Energy related properties - Tabulated design values.

EN 12664

Thermal performance of building materials and products – Determination of thermal resistance by means of guarded hot plate and heat flow meter methods – Dry and moist products of medium and low thermal resistance.

EN 12667

Thermal performance of building materials and products – Determination of thermal resistance by means of guarded hot plate and heat flow meter methods – Products of high and medium thermal resistance.

prEN 13501-1

Fire classification of construction products and building elements – Part 1: Classification using data from fire reaction tests.

prEN 13501-2

Fire classification of construction products and building elements – Part 2: Classification using data from fire resistance tests (excluding products for use in ventilation systems).

ENV 61024-1

Protection of structures against lightning – Part 1: General principles (IEC 61024-1:1990, modified).

HD 384.4.41

Electrical installations of buildings – Part 4: Protection for safety; Chapter 41: Protection against electrical shock.

HD 384.4.473

Electrical installations of buildings – Part 4: Protection for safety; Chapter 47: Application of protective measures for safety; Section 473: Measures of protection against overcurrent.

HD 384.5.54

Electrical installations of buildings – Part 5: Selection and erection of electrical equipment; Chapter 54: Earthing arrangements and protective conductors.

HD 384.6.61

Electrical installations of buildings – Part 6: verification; Chapter 61: initial verification.

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply:

3.1

bridging / beam

load bearing component to accommodate situations where pedestals and stringers/beams (if available) cannot be located in their normal positions

3.2

collapse

state reached when deflection of the element or panel will continue without further increasing the test load

3.3

components

parts of access floor elements, e.g. panels, pedestals, stringers, etc.

3.4

deflection

movement of tested specimen caused by load expressed as a deviation from the former linear level

3.5

deformation

alteration of the shape of a specimen

3.6

deviation

difference between a specified dimension or position and the actual dimension or position

3.7

edge trim

component of the panel, either adhered or mechanically fixed to all four sides to provide protection to the panels and to the floor covering

3.8**element**

kit that consists of one completely fabricated panel supported by pedestals together with other components e.g. stringers, conductive pads, etc. fixed as intended for the finished floor

3.9**finished floor height (FFH)**

nominal vertical dimension from the specified sub floor level to the specified finished floor level

3.10**indentation**

movement of the indenter into the specimen surface

3.11**length of side**

overall dimension of any side of a panel

3.12**manufacturer's stated panel size**

dimension to which the tolerances are applied

3.13**nominal panel size**

theoretical dimension used for commercial description

3.14**panel**

load bearing horizontal component of the access floor. It is supported by the under structure (e.g. pedestals and stringers)

3.15**pedestal**

vertical component or part of the element which transmits the loading to the subfloor

3.16**plenum**

available space between the underside of the panels of the access floor and the sub-floor

3.17**plenum height**

distance between the highest point of the sub floor and the lowest point of the underside of the access floor

3.18**raised access floor**

factory made flooring system comprising panels supported on understructure of pedestals, and/or stringers or other components as applicable providing a load bearing structure for the fitting out of a building

3.19**safety factor**

the factor by which the ultimate load is divided to establish the working load

Bestelformulier

NEN

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 12825:2001 en Verhoogde vloeren

€ 61.30

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

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).

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 _____

Voorwaarden

- De prijzen zijn geldig tot 31 december 2016, 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.