

Nederlandse norm

# NEN-EN 13329

(en)

Laminate floor coverings - Elements with a surface layer based on aminoplastic thermosetting resins - Specifications, requirements and test methods

Vervangt NEN-EN 13329:2000;  
NEN-EN 13329:2005 Ontw.

ICS 97.150  
mei 2006

Als Nederlandse norm is aanvaard:  
 - EN 13329:2006, IDT

VOORBEELD  
 Preview

Normcommissie 330 022 "Flexibele vloerbedekkingen"

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## 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 311	NEN-EN 311	Houtachtige plaatmaterialen - Oppervlaktesterkte - Beproevingsmethode (en)
EN 318	NEN-EN 318	Houtachtige plaatmaterialen - Bepaling van de veranderingen van de afmetingen in relatie tot veranderingen van de relatieve luchtvochtigheid (en)
EN 322	NEN-EN 322	Houtachtige plaatmaterialen - Bepaling van het vochtgehalte (en)
EN 424	NEN-EN 424	Veerkrachtige vloerbedekking - Bepaling van het effect van de gesimuleerde beweging van een meubelpoot (en)
EN 425	NEN-EN 425	Veerkrachtige vloerbedekking en laminaat - Bepaling van de bureaulstoel-bestaanheid (en)
EN 433	NEN-EN 433	Veerkrachtige vloerbedekkingen - Bepaling van de indrukgevoeligheid na statische belasting (en)
EN 438:series	NEN-EN 438:reeks	Decoratief hoge-druk laminaat (HPL) (en)
EN 685	NEN-EN 685	Veerkrachtige vloerbedekkingen, tapijten en laminaatvloerbedekkingen - Classificatie (en)
EN 12529:1998	NEN-EN 12529:1998	Transportwielen - Zwenkwielen voor meubelen - Zwenkwielen voor stoelen - Eisen (en)
EN 20105-A02	NEN-ISO 105-A02	Textiel - Beproeving van de kleurechtheid - Deel A02:Grijsschaal voor de bepaling van de kleurverandering (en)
EN ISO 105-B02	NEN-EN-ISO 105-B02	Textiel - Beproeving van de kleurechtheid - Deel B02: Kleurechtheid bij kunstlicht:Proef met xenonbooglamp (en)
EN ISO 6506:series	NEN-EN-ISO 6506:reeks	Metalen (en)
ISO 48	NEN-ISO 48	Gevulcaniseerde of thermoplastische rubber - Bepaling van de hardheid tussen 10 en 100 IRHD (en,fr)
ISO 7267-2	-	-

Voorbeeld  
Preview

English Version

Laminate floor coverings - Elements with a surface layer based  
on aminoplastic thermosetting resins - Specifications,  
requirements and test methods

Revêtements de sol stratifiés - Elements dont la surface est  
à base de résines aminoplastes thermodurcissables -  
Spécifications, exigences et méthodes d'essai

Laminatböden - Elemente mit einer Deckschicht auf Basis  
aminoplastischer, wärmehärtbarer Harze - Spezifikationen,  
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 3 April 2006.

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## Foreword

This European Standard (EN 13329:2006) has been prepared by Technical Committee CEN/TC 134 "Resilient, textile and laminate floor coverings", the secretariat of which is held by BSI.

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 November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

This European Standard supersedes EN 13329:2000.

Compared to EN 13329:2000 the following changes have been made:

- a) Classification symbols changed.
- b) Provisions for the designation deleted.
- c) Requirements for abrasion resistance changed.
- d) Regarding the test method for abrasion resistance the hardness of the abrasive wheels and the loss in mass of the zinc plate for calibration of the abrasive paper have been changed and the dimensions of the test apparatus have been specified more precisely.
- e) Annex H for calibration and maintenance of abrasion equipment added.

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## 1 Scope

This European Standard specifies characteristics, states requirements and gives test methods for laminate floor coverings (as defined in 3.1).

It includes a classification system, based on EN 685, giving practical requirements for areas of use and levels of use, to indicate where laminate floor coverings will give satisfactory service and to encourage the consumer to make an informed choice. It also specifies requirements for marking and packaging.

Laminate floor coverings are considered for domestic and commercial levels of use. This standard does not specify requirements relating to areas which are subjected to frequent wetting, such as bathrooms, laundry rooms or saunas, but it does apply to domestic kitchens.

## 2 Normative references

The following referenced documents are indispensable for the application 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 311, *Wood-based panels — Surface soundness — Test method*

EN 318, *Wood based panels - Determination of dimensional changes associated with changes in relative humidity*

EN 322, *Wood-based panels — Determination of moisture content*

EN 424, *Resilient floor coverings — Determination of the effect of simulated movement of a furniture leg*

EN 425, *Resilient and laminate floor coverings — Castor chair test*

EN 433, *Resilient floor coverings — Determination of residual indentation after static loading*

EN 438, (all parts) *High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called Laminates)*

EN 685, *Resilient, textile and laminate floor coverings - Classification*

EN 12529:1998, *Castors and wheels – Castors for furniture – Castors for swivel chairs – Requirements*

EN 20105-A02, *Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)*

EN ISO 105-B02, *Textiles - Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO 105-B02:1994, including amendment 1:1998)*

EN ISO 6506, (all parts) *Metallic materials - Brinell hardness test*

ISO 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (Hardness between 10 IRHD and 100 IRHD)*

ISO 7267-2, *Rubber-covered rollers – Determination of apparent hardness – Part 2: Shore-type durometer method*



### 3 Terms and definitions

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

#### 3.1 laminate floor covering

floor covering with a surface layer consisting of one or more thin sheets of a fibrous material (usually paper), impregnated with aminoplastic, thermosetting resins (usually melamine)

NOTE By the simultaneous action of heat and pressure, these sheets are either pressed as such (HPL, CPL, Compact), and in the case of HPL and CPL bonded on a substrate (usually wood-based panels), or in the case of DPL directly pressed on a substrate (usually wood-based panels). The product is usually finished with a backing (e.g. HPL, CPL, impregnated papers and veneers), primarily used as a balancing material.

##### 3.1.1 surface layer

upper decorative layer intended to be the visible side when the floor is installed.

NOTE This layer consists of sheets impregnated with thermosetting resins, pressed by three different techniques.

High-pressure laminates (HPL), as defined in EN 438;

Continuous pressed laminates (CPL);

Directly pressed to the substrate (DPL).

##### 3.1.2 substrate

core material of the laminate floor covering

NOTE It is generally a particleboard, as defined in EN 309, or a Medium Density Fibreboard or High Density Fibreboard (MDF or HDF), as defined in EN 316.

##### 3.1.3 backing

layer opposite to the surface layer

NOTE The backing is generally made of HPL, CPL, impregnated papers or veneers. It is primarily used to balance and stabilise the product.

#### 3.2 laminate floor covering element

consisting of a surface layer, a substrate and a backing, shaped and machined on its sides to the appropriate dimensions

NOTE See Figure 1. The elements are usually tongued and grooved to facilitate assembly at installation.

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\_\_ ex. NEN-EN 13329:2006 en Laminaatvloerbedekkingen - Elementen met een oppervlaktelaag gebaseerd op aminoplastische thermohardende harsen - Specificaties, eisen en beproevingsmethoden € 62.22

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