



BSI Standards Publication

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

bsi.

This is a preview. Click [here](#) to purchase the full publication.

National foreword

This British Standard is the UK implementation of EN 13329:2016+A1:2017. It supersedes BS EN 13329:2016, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by **A1>** **A1**.

The UK participation in its preparation was entrusted to Technical Committee PRI/60, Resilient and Laminate Floor Coverings.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018
Published by BSI Standards Limited 2018

ISBN 978 0 580 96142 7

ICS 97.150

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2016.

Amendments/corrigenda issued since publication

Date	Text affected
30 June 2018	Implementation of CEN amendment A1:2017

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13329:2016+A1

October 2017

ICS 97.150

Supersedes EN 13329:2016

English Version

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

Revêtements de sol stratifiés - Éléments dont la surface
 est à base de résines aminoplastiques 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 27 November 2015 and includes Amendment 1 approved by CEN on 1 July 2017.

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: Avenue Marnix 17, B-1000 Brussels

	Page
Contents	
European foreword.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	6
4 Requirements	7
4.1 General requirements	7
4.2 Classification requirements	8
4.3 Additional technical characteristics	10
5 Marking and packaging.....	10
5.1 Marking.....	10
5.2 Packaging.....	11
6 Test report.....	11
Annex A (normative) Determination of thickness, length, width, squareness, straightness and flatness	12
A.1 Sampling.....	12
A.2 Conditioning.....	12
A.3 Apparatus.....	12
A.4 Procedure.....	14
A.4.1 Determination of thickness (t)	14
A.4.2 Determination of length (l).....	15
A.4.3 Determination of width (w)	16
A.4.4 Determination of dimensions of squared elements	16
A.4.5 Determination of squareness (q)	17
A.4.6 Determination of straightness (s)	17
A.4.7 Determination of width flatness (f_w).....	18
A.4.8 Determination of length flatness (f_l).....	18
A.5 Calculation and expression of results.....	19
A.5.1 Thickness (t)	19
A.5.2 Length (l).....	19
A.5.3 Width (w)	19
A.5.4 Squareness (q)	19
A.5.5 Straightness (s)	20
A.5.6 Width flatness (f_w)	20
A.5.7 Length flatness (f_l)	20
Annex B (normative) Determination of openings and height difference between elements.....	21
B.1 Sampling.....	21
B.2 Conditioning.....	21
B.3 Apparatus.....	21
B.4 Procedure.....	21
B.4.1 Assembling	21
B.4.2 Determination of opening between elements (o)	22
B.4.3 Determination of height difference (h).....	22
B.5 Calculation and expression of results.....	22

Annex C (normative) Determination of dimensional variations after changes in relative humidity.....	23
C.1 General	23
C.2 Sampling	23
C.3 Conditioning	23
C.4 Calculation and expression of results	24
Annex D (normative) Determination of surface soundness.....	25
D.1 General	25
D.2 Sampling	25
D.3 Conditioning	25
D.4 Procedure	25
D.4.1 Preparing the test specimen.....	25
D.4.2 Bonding the steel pad to the surface.....	26
D.4.3 Determination of force at fracture	26
D.5 Calculation and expression of results	26
Annex E (normative) Determination of abrasion resistance and abrasion classification	27
E.1 Sampling	27
E.2 Conditioning	27
E.3 Apparatus	28
E.3.1 Testing machine	28
E.3.2 Additional material or equipment	30
E.4 Procedure	31
E.4.1 General	31
E.4.2 Preparation of test specimens and abrasive papers.....	31
E.4.3 Preparation of abrasive wheels.....	31
E.4.4 Determination of the abrasion rate of abrasive paper	31
E.4.5 Abrasion of test specimen	31
E.4.6 Expression of results	32
E.4.7 Test report	33
Annex F (normative) Calibration and Maintenance of Abrasion equipment.....	34
F.1 General	34
F.2 Apparatus	34
F.3 Procedure	34
F.3.1 Bearing Wear.....	34
F.3.2 Shaft Wear	34
F.3.3 Alignment	35
Annex G (normative) Measurement of shore A hardness	37
Annex H (normative) Determination of impact resistance and impact classification.....	38
H.1 General	38
H.2 Sampling	38
H.3 Apparatus	38
H.4 Procedure	38
H.4.1 Large-diameter ball test.....	38
H.4.2 Small-diameter ball test.....	39
Bibliography	42