SIST

SLOVENSKI STANDARD
SIST EN 438-2:2016/oprA1:2017

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Dekorativni visokotlačni laminati (HPL) - Plošče na osnovi duromernih smol - 2. del: Ugotavljanje lastnosti – Dopolnilo A1

High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 2: Determination of properties

Dekorative Hochdruck-Schichtpressstoffplatten (HPL) - Platten auf Basis härtbarer Harze (Schichtpressstoffe) - Teil 2: Bestimmung der Eigenschaften

Stratifiés décoratifs haute pression (HPL) - Plaques à base de résines thermodurcissables (communément appelées stratifiés) - Partie 2: Détermination des propriétés

Ta slovenski standard je istoveten z: EN 438-2:2016/prA1

ICS:

83.140.20	Laminatne plošče	Laminated sheets

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EUROPEAN STANDARD

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English Version

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This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 249.

This draft amendment A1, if approved, will modify the European Standard EN 438-2:2016. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (EN 438-2:2016/prA1:2017) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

The amendment of EN 438-2 is proposed in order to correct and clarify the text of the following clauses.

1 Modification to Clause 4.2.2

Delete the first sentence of the penultimate paragraph to read as following:

"4.2.2 The light source shall provide a diffused illumination of (1200 ± 400) lx over the whole area of the largest sheets to be inspected. This may be either diffused daylight or diffused artificial daylight.

When artificial daylight is used, it shall have a correlated colour temperature of 5000 K to 6500 K. Both of them shall be in accordance with EN ISO 3668.

A convenient distance of the lights from the inspection table is approximately 1,5 m."

2 Modification to Clause 11

Replace the existing text with the following:

"11 Resistance to abrasion (flooring grade laminates)

The resistance to abrasion for flooring grade laminates shall be determined according to Clause 10 with the following changes:

— in 10.6.3, replace the fourth and fifth paragraphs by:

Replace the abrasive paper after 200 revolutions.

At the beginning of the test, examine the specimen for abrasion after each 100 revolutions. When coming close to the IP, the assessment shall be carried out every 50 revolutions.

— change 10.7 by:

The resistance to abrasion of the laminate under test shall be the average of the initial wear-point (IP) values obtained on the three specimens, rounded to the nearest 100 revolutions."

3 Modification to Clause 16.2.8

Delete the first sentence of the last paragraph to read as following:

"16.2.8 Diffuse light source, providing evenly diffused light, giving an illumination on the test surface of (1200 ± 400) lx. This may either be diffused daylight or be diffused artificial daylight.

When artificial daylight is used it is recommended that it should have a correlated colour temperature of 5000 K to 6500 K and a *Ra* greater than 92, by using a colour matching booth in accordance with EN ISO 3668."

4 Modification to Clause 17.4.2

Replace the last sentence with the following:

"At the end of 24h, remove them and allow them to cool to ambient temperature in the desiccator (see 17.2.5) for 1h, and then re-measure the length".

5 Modification to Clause 17.5

Replace the existing Table 2 and the last sentence with the following:

"

Table 2 — Calculation example of cumulative dimensional change in one direction only

Dry-heat test				
Test specimen	1	2	3	Mean to nearest 0,05 %
Initial length (mm)	199,77	199,85	199,83	
Final length (mm)	199,26	199,22	199,24	
Change in length (mm)	−0,51	−0,63	−0,59	
Change (%)	−0,26 %	−0,32 %	−0,30 %	−0,3 %

High-humidity test				
Test specimen	1	2	3	Mean to nearest 0,05 %
Initial length (mm)	199,88	199,8	199,83	
Final length (mm)	200,33	200,21	200,31	
Change in length (mm)	0,45	0,41	0,48	
Change (%)	0,23 %	0,21 %	0,24 %	0,2 %

The movements in the two tests are in opposite directions; therefore, the cumulative dimensional change is equal to (0,3 + 0,2) % = 0,5 %."

6 Modification to Clause 18.2.10

Delete the first sentence of the last paragraph to read as following:

"18.2.10 Diffuse light source, providing evenly diffused light, giving an illumination on the test surface of (1200 ± 400) lx. This may either be diffused daylight or be diffused artificial daylight.

When artificial daylight is used it is recommended that it should have a correlated colour temperature of 5000 K to 6500 K and an *Ra* greater than 92, by using a colour matching booth in accordance with EN ISO 3668."

7 Modification to Clause 26.3.6

Delete the first sentence of the last paragraph to read as following:

"26.3.6 Diffuse light source

Light source providing evenly diffused light giving an illumination on the test surface of (1200 ± 400) lx. This may either be diffused daylight or be diffused artificial daylight.

When artificial daylight is used it is recommended that it should have a correlated colour temperature of (5000 to 6500) K and a *Ra* greater than 92, by using a colour matching booth in accordance with EN ISO 3668."