

STN	Dekoratívne vysokotlakové lamináty (HPL) Dosky na báze reaktoplastových živíc (lamináty) Časť 9: Klasifikácia a špecifikácie laminátov so striedajúcim sa jadrom	STN EN 438-9 64 4220
------------	---	--

High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 9: Classification and specifications for alternative core laminates

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/18

Obsahuje: EN 438-9:2017

Oznámením tejto normy sa ruší
STN EN 438-9+A1 (64 4220) z júla 2014

126781

EUROPEAN STANDARD

EN 438-9

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2017

ICS 83.140.20

Supersedes EN 438-9:2010+A1:2013

English Version

High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 9: Classification and specifications for alternative core laminates

Stratifiés décoratifs haute pression (HPL) - Plaques à base de résines thermodurcissables (communément appelées stratifiés) - Partie 9 : Classification et spécifications relatives aux stratifiés avec autres types d'âmes

Dekorative Hochdruck-Schichtpressstoffplatten (HPL) - Platten auf Basis härtpbarer Harze (Schichtpressstoffe) - Teil 9: Klassifizierung und Spezifikationen für Schichtpressstoffe mit alternativem Kernaufbau

This European Standard was approved by CEN on 29 October 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

EN 438-9:2017 (E)

Contents	Page
European foreword	3
1 Scope	5
2 Normative references	5
3 Terms, definitions, symbols and abbreviations	5
3.1 TERMS AND DEFINITIONS.....	5
3.2 SYMBOLS.....	6
4 Material types and classification system	6
5 Requirements	7
5.1 COMPLIANCE	7
5.2 INSPECTION REQUIREMENTS.....	7
5.3 DIMENSIONAL TOLERANCE REQUIREMENTS.....	8
5.4 TEST REQUIREMENTS.....	11
Annex A (informative) Information on reaction to fire	15
Bibliography	16

European foreword

This document (EN 438-9:2017) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by NBN.

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 June 2018, and conflicting national standards shall be withdrawn at the latest by June 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 438-9:2010+A1:2013.

The following technical changes have been made in comparison to EN 438-9:2010+A1:2013, in Table 6 and in Table 7:

- test methods, have been updated;
- the Resistance to surface wear, has been modified and the Laminate grades corrected;
- for the Resistance to immersion in boiling water, the Appearance has been improved for the Laminate grades;
- the Tensile strength, has been deleted to be in line with EN 438-4:2016;
- in Table 6, for the Resistance to crazing, the Appearance of the Laminate grade has been corrected.

EN 438, *High-pressure decorative laminates (HPL) — Sheets based on thermosetting resins (usually called laminates)*, consists of the following parts:

- *Part 1: Introduction and general information*
- *Part 2: Determination of properties*
- *Part 3: Classification and specifications for laminates less than 2 mm thick intended for bonding to supporting substrates*
- *Part 4: Classification and specifications for compact laminates of thickness 2 mm and greater*
- *Part 5: Classification and specifications for flooring grade laminates less than 2 mm thick intended for bonding to supporting substrates*
- *Part 6: Classification and specifications for exterior-grade Compact laminates of thickness 2 mm and greater*
- *Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes*
- *Part 8: Classification and specifications for design laminates*
- *Part 9: Classification and specifications for alternative core laminates*

EN 438-9:2017 (E)

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: 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 the United Kingdom.

1 Scope

This European Standard specifies performance requirements for alternative core laminates intended for interior use, the core layer compositions of which are not covered by EN 438-3 [1], EN 438-4 [2], EN 438-5 [3], EN 438-6 [4] and EN 438-8 [5]. The core layer types (coloured core layer and metal reinforced core layer) are defined in this part of EN 438.

EN 438-2 specifies the test methods relevant to this European Standard.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 438-2:2016, *High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 2: Determination of properties*

EN 12721, *Furniture — Assessment of surface resistance to wet heat*

EN ISO 178, *Plastics - Determination of flexural properties (ISO 178)*

EN ISO 1183-1, *Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1)*

EN ISO 12572, *Hygrothermal performance of building materials and products - Determination of water vapour transmission properties - Cup method (ISO 12572)*

EN ISO 11664-2, *Colorimetry - Part 2: CIE standard illuminants (ISO 11664-2)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN