

<b>STN</b>	<b>Dekoratívne vysokotlakové lamináty (HPL) Dosky na báze reaktoplastových živíc (lamináty) Časť 8: Klasifikácia a špecifikácie ozdobných laminátov</b>	<b>STN EN 438-8</b>  64 4220
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High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 8: Classification and specifications for design 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. 04/19

Obsahuje: EN 438-8:2018

Oznámením tejto normy sa ruší  
STN EN 438-8 (64 4220) z augusta 2009

**128431**

EUROPEAN STANDARD

EN 438-8

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2018

ICS 83.140.20

Supersedes EN 438-8:2009

English Version

## High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 8: Classification and specifications for design laminates

Stratifiés décoratifs haute pression (HPL) - Plaques à base de résines thermodurcissables (communément appelées stratifiés) - Partie 8 : Classification et spécifications relatives aux stratifiés à effets de surface spéciaux

Dekorative Hochdruck-Schichtpressstoffplatten (HPL) - Platten auf Basis härtpbarer Harze (Schichtpressstoffe) - Teil 8: Klassifizierung und Spezifikationen für Design-Schichtpressstoffe

This European Standard was approved by CEN on 28 September 2018.

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: Rue de la Science 23, B-1040 Brussels**

**EN 438-8:2018 (E)**

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## European foreword

This document (EN 438-8:2018) 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 May 2019, and conflicting national standards shall be withdrawn at the latest by May 2019.

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 438-8:2009.

In comparison with the previous edition, the following technical modifications have been made:

The test methods referenced have been updated as appropriate; the terms, definitions, symbols and abbreviations are aligned with the other parts of the EN 438 published; the machined crosshead speed for the determination of the flexural characteristics, is the same of the one specified in EN 438-4:2016.

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.*

According to the CEN-CENELEC Internal Regulations, the national standards organizations 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.

**EN 438-8:2018 (E)****1 Scope**

This document specifies performance requirements for design laminates intended for interior use with a design effect surface having a phenolic based core and a decorative surface, not covered by EN 438-3 [1], EN 438-4 [2], EN 438-5 [3] and EN 438-6 [4]. Three surface layer types (metal, wood veneer and pearlescent decor) are defined in this part of EN 438.

EN 438-2 specifies the test methods relevant to this part of EN 438.

**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 438-2:2016, *High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) – Part 2: Determination of properties*

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)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**