

Classification of wood adhesives for non-structural  
timber products for exterior use

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 17619:2021 sisaldab Euroopa standardi EN 17619:2021 ingliskeelset teksti.	This Estonian standard EVS-EN 17619:2021 consists of the English text of the European standard EN 17619:2021.
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English Version

## Classification of wood adhesives for non-structural timber products for exterior use

Classification des colles à bois pour les produits en bois non structuraux utilisés à l'extérieur

Klassifizierung von Holzklebstoffen für nicht tragende Holzprodukte zur Verwendung im Außenbereich

This European Standard was approved by CEN on 3 October 2021.

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## European foreword

This document (EN 17619:2021) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by May 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

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## **Introduction**

European Standards giving a common classification with respect to durability classes for wood adhesives for exterior uses will allow considerable improvement in consumer protection in any future product liability system with regard to properties guaranteed by the adhesive manufacturer.

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## 1 Scope

This document establishes a classification of wood adhesives for non-structural applications for exterior use without protection by an adequate surface coating.

This document specifies performance requirements and durability classes of such adhesives for use in an environment corresponding to the defined conditions.

The performance requirements of this document apply to the adhesive only, not to wooden products.

This document is primarily intended to assess the performance of adhesives. The requirements apply to the type testing of the adhesives. Production control activities are outside the scope of this document.

NOTE For the assessment of end product bonding quality, see Annex A.

## 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 204:2016, *Classification of thermoplastic wood adhesives for non-structural applications*

EN 205:2016, *Adhesives - Wood adhesives for non-structural applications - Determination of tensile shear strength of lap joints*

EN 923, *Adhesives - Terms and definitions*

EN 12765:2016, *Classification of thermosetting wood adhesives for non-structural applications*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 923 and EN 205 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

## 4 Classification

The adhesive classified for non-structural applications for exterior use according to this document shall have a minimum durability class of D4 as specified in EN 204:2016 or C4 as specified in EN 12765:2016.

An adhesive shall be classified in accordance with Table 1, which gives examples of climatic conditions and fields of application in which the bonded member is to be used. The classification shall be based on tests on thin bond lines as defined in EN 205.