

STN	Vlastnosti lepidiel na drevo pri vysokých teplotách vzhľadom na správanie sa nosných konštrukčných dielcov pri požiari Skúšobné metódy, hodnotenie a klasifikácia	STN EN 18070 66 8522
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Performance of wood adhesives exposed to high temperatures with regard to behaviour of load-bearing timber structures in fire -
Test method, evaluation and classification

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. 10/25

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 18070

July 2025

ICS 79.040; 83.180

English Version

**Performance of wood adhesives exposed to high
temperatures with regard to behaviour of load-bearing
timber structures in fire - Test method, evaluation and
classification**

Performance des adhésifs pour bois exposés à des
températures élevées en ce qui concerne le
comportement des structures porteuses en bois en
situation d'incendie - Méthode d'essai, évaluation et
classification

Leistungsfähigkeit von hohen Temperaturen
ausgesetzten Holzklebstoffen in Bezug auf das
Verhalten tragender Holzbauteile im Brandfall -
Prüfverfahren, Bewertung und Klassifizierung

This European Standard was approved by CEN on 23 June 2025.

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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 18070:2025 (E)

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European foreword

This document (EN 18070:2025) 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of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.

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.

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EN 18070:2025 (E)**Introduction****Safety statement**

Persons using this document are to be familiar with the normal laboratory practice, if applicable. This document cannot address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

Environmental statement

It is understood that some of the material permitted in this document can have negative environmental impact. As technological advantages lead to better alternatives for these materials, they will be eliminated from this document to the extent possible.

At the end of the test, the user of the document should take care to carry out an appropriate disposal of the wastes, see local regulation for additional guidance.

1 Scope

This document specifies a test method for comparing the compression shear strength of adhesive bonds in wood and solid wood after exposure to a target temperature for a specified duration of time.

This document is applicable to adhesives used in load bearing timber structures.

This document is not applicable to Epoxy- and two component Polyurethane-adhesives.

This method is intended to obtain data for the performance of wood adhesives at very high temperatures. The result of this comparison can be used to classify the adhesive with regard to the behaviour of load-bearing timber structures in fire.

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 923, *Adhesives - Terms and definitions*

EN 14080:2013, *Timber structures - Glued laminated timber and glued solid timber - Requirements*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN