

STN	Tepelnoizolačné výrobky na používanie v stavebníctve Stanovenie odolnosti vonkajších kontaktných zatepľovacích systémov (ETICS) proti odtrhnutiu (skúška penových blokov)	STN EN 13495 72 7071
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Thermal insulation products for building applications - Determination of the pull-off resistance of external thermal insulation composite systems (ETICS) (foam block test)

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. 03/20

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EUROPEAN STANDARD

EN 13495

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 91.100.60

Supersedes EN 13495:2002

English Version

Thermal insulation products for building applications -
Determination of the pull-off resistance of external
thermal insulation composite systems (ETICS) (foam block
test)

Produits isolants thermiques destinés aux applications
du bâtiment - Détermination de la résistance à
l'arrachement des systèmes composites d'isolation
thermique par l'extérieur (ETICS) (essai au bloc de
mousse)

Wärmedämmstoffe für das Bauwesen - Bestimmung
der Abreifestigkeit von auenseitigen Wrmedmm-
Verbundsystemen (WDVS) (Schaumblock-Verfahren)

This European Standard was approved by CEN on 19 May 2019.

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.

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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 13495:2019 (E)

Contents	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions, symbols and units	4
3.1 Terms and definition	4
3.2 Symbols and units	4
4 Principles	5
5 Test equipment/apparatus	5
5.1 Substrates	5
5.1.1 General.....	5
5.1.2 Concrete substrate.....	5
5.1.3 Timber substrate.....	5
5.2 Foil.....	5
5.3 Foam blocks	6
5.4 Glue.....	6
5.5 Tension plate and rigid construction for load distribution.....	6
5.6 Tensile testing machine	6
6 Test specimen.....	12
6.1 Dimensions of the test specimen.....	12
6.2 Number of test specimens.....	12
7 Test preparation.....	13
7.1 Preparation of test specimens.....	13
7.2 Conditioning of test specimens	13
8 Procedure.....	13
8.1 Test conditions.....	13
8.2 Test procedure	13
8.2.1 General.....	13
8.2.2 Specific test procedures.....	13
9 Calculation and expression of results.....	15
9.1 Failure load	15
9.2 Load-bearing capability F_5 %.....	15
10 Test report.....	16
Annex A (normative) Mechanical pre-conditioning	18
Bibliography.....	19

European foreword

This document (EN 13495:2019) has been prepared by Technical Committee CEN/TC 88 “Thermal insulating materials and products”, the secretariat of which is held by DIN.

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 March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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 13495:2002.

This European standard has been drafted for applications in buildings but may also be used in other areas where it is relevant.

EN 13495:2019 includes the following significant technical changes with respect to EN 13495:2002:

	2002	2019
Scope	Pull-off resistance	Load-bearing capacity
Principle	Only static foam block test	Static foam block test A and four other methods B to E
Concrete substrate	Minimum thickness 100mm	Minimum thickness 70 mm
Concrete substrate	Minimum strength class of C 20/25	Minimum strength class of C 12/15
Timber substrate	Absent	Present
Foil	Absent	Present
Foam block dimensions	Between 200 mm x 200 mm and 333 mm x 333 mm	Length and width between (200 +-2) mm and (400 +- 2) mm
Foam block compression stress	1,5 kPa to 7,5 kPa	No limits or thresholds
Glue	Solvent free epoxy or polyurethane	Solvent free epoxy or polyurethane or polyurethane foam
Conditioning of test specimen	As specified in the relevant product standard	Curing at (20 +- 10) °C for at least 7 days and (23 +- 5) °C and (50 +- 10) % RHD for at least 24 h prior testing
Calculation of load bearing capability $F_{5\%}$	Absent	Present

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.

EN 13495:2019 (E)**1 Scope**

This document specifies equipment and procedures for determining the load-bearing capability ("pull-off") of kits out of external thermal insulation composite systems (ETICS) to tension and/or shear forces.

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 206, *Concrete — Specification, performance, production and conformity*

EN 1990:2002, *Eurocode — Basis of structural design*

EN 17237,¹ *Thermal insulation products for buildings — External thermal insulation composite systems with renders (ETICS) — Specification*

EN ISO 4287, *Geometrical product specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters (ISO 4287)*

EN ISO 9229:2007, *Thermal insulation — Vocabulary (ISO 9229:2007)*

ISO 12491:1997, *Statistical methods for quality control of building materials and components*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ Under preparation. Stage at time of publication: prEN 17237:2018.