



BSI Standards Publication

Thermal insulation products for building applications — Determination of the resistance to impact of external thermal insulation composite systems (ETICS)

National foreword

This British Standard is the UK implementation of EN 13497:2018+A1:2021. It supersedes BS EN 13497:2018, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee B/540, Energy performance of materials components and buildings.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
28 February 2021	Implementation of CEN amendment A1:2021

English Version

Thermal insulation products for building applications -
Determination of the resistance to impact of external
thermal insulation composite systems (ETICS)

Produits isolants thermiques pour le bâtiment -
Détermination de la résistance au choc des systèmes
composites d'isolation thermique par l'extérieur
(ETICS)

Wärmedämmstoffe für das Bauwesen - Bestimmung
der Schlagfestigkeit von außenseitigen Wärmedämm-
Verbundsystemen (WDVS)

This European Standard was approved by CEN on 23 April 2018 and includes Amendment 1 approved by CEN on 29 September 2020.

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Contents	Page
European foreword.....	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Principle	5
5 Test apparatus.....	6
5.1 General.....	6
5.2 Steel ball requirements.....	6
5.3 Crack measuring gauge	6
5.4 Specimen support	6
5.5 Optional tube to control descent of steel ball	6
6 Test specimens.....	7
6.1 Preparation of a test specimen	7
6.2 Sealing and conditioning of test specimens.....	7
7 Procedure.....	8
7.1 Test conditions.....	8
7.2 Test procedure	9
8 Examination and expression of results.....	9
9 Accuracy of measurement.....	10
10 Test report.....	10

European foreword

This document (EN 13497:2018+A1:2021) 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 July 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.

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 13497:2018 .

The following table includes the most significant technical changes between both editions.

2002 Version	2018 Version
Two impact energy levels 2 J and 10 J with two different balls possible. ETAG 004 only partly matched	Thirteen impact energy levels with five different balls possible. Matches ETAG 004 levels. No 2 J impact energy level anymore
Only size and weight of steel balls defined	Definition of steel ball material added
No definition of measuring device	Definition of Crack measuring gauge included
No definition of specimen support	Definition of specimen support included
Weak definition of optional tube	Precise definition of optional tube
Minimum dimensions of test specimen given	Minimum distances between impacts defined instead.
-	More precise description of conditioning of the test specimens
-	Second procedure for conditioning added
-	Figure for second procedure for conditioning added
-	Detailed description of test procedure
-	Detailed description of the examination and expression of results
-	Introduction of hard facts for evaluation, which is the measurement of crack widths.
-	Evaluation of cracks well defined
-	Amended test report
Alternative ISO 7892 test possible	No alternative test possible

This document includes Amendment 1, approved by CEN on 2020-09-29.

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