



**NSAI**  
Standards

Irish Standard  
I.S. EN 16724:2015

Thermal insulation products for building applications - Instructions for mounting and fixing for determination of the reaction to fire testing of external thermal Insulation composite systems (ETICS)

**I.S. EN 16724:2015**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

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## National Foreword

I.S. EN 16724:2015 is the adopted Irish version of the European Document EN 16724:2015, Thermal insulation products for building applications - Instructions for mounting and fixing for determination of the reaction to fire testing of external thermal Insulation composite systems (ETICS)

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EUROPEAN STANDARD

**EN 16724**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2015

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ICS 91.100.60

English Version

**Thermal insulation products for building applications -  
Instructions for mounting and fixing for determination of  
the reaction to fire testing of external thermal Insulation  
composite systems (ETICS)**

Produits isolants thermiques pour le bâtiment -  
Instructions de montage et de fixation pour l'essai de  
réaction au feu des systèmes composites d'isolation  
thermique par l'extérieur (ITE)

Wärmedämmstoffe für Gebäude - Einbau- und  
Befestigungsbedingungen für die Prüfung des  
Brandverhaltens von außenseitigen Wärmedämm-  
Verbundsystemen (WDVS)

This European Standard was approved by CEN on 24 October 2015.

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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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**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## **European foreword**

This document (EN 16724:2015) 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 June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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## EN 16724:2015 (E)

### 1 Scope

This European Standard specifies instructions for mounting and fixing for reaction to fire testing for External Thermal Insulation Composite Systems (ETICS) and gives rules for the field of application of test results.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13238, *Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates*

EN 13501-1:2007+A1:2009, *Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*

EN 13823, *Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item*

EN 15725, *Extended application reports on the fire performance of construction products and building elements*

EN ISO 1182, *Reaction to fire tests for products - Non-combustibility test (ISO 1182)*

EN ISO 1716, *Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) (ISO 1716)*

EN ISO 9229, *Thermal insulation - Vocabulary (ISO 9229)*

EN ISO 11925-2, *Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test (ISO 11925-2)*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 9229 and the following apply.

#### 3.1 gross heat of combustion

$Q_{PCS}$

heat of combustion of a substance when the combustion is complete and any produced water is entirely condensed under specified conditions

Note 1 to entry: The gross heat of combustion is expressed in mega joules per kilogram.

#### 3.2 adhesive

component used for bonding the thermal insulation product to the substrate



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