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Irish Standard
I.S. EN 1279-5:2005+A2:2010

Glass in building - Insulating glass units - Part 5: Evaluation of conformity

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I.S. EN 1279-5:2010

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1279-5:2005+A2

May 2010

ICS 81.040.20

Supersedes EN 1279-5:2005+A1:2008

English Version

Glass in building - Insulating glass units - Part 5: Evaluation of conformity

Verre dans la construction - Vitrage isolant préfabriqué scellé - Partie 5: Évaluation de la conformité

Glas im Bauwesen - Mehrscheiben-Isolierglas - Teil 5: Konformitätsbewertung

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Foreword

This document (EN 1279-5:2005+A2:2010) has been prepared by Technical Committee CEN/TC 129 "Glass in building", the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by November 2010, and conflicting national standards shall be withdrawn at the latest by November 2010.

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.

This document includes Amendment 1 approved by CEN on 2008-10-02 and Amendment 2 approved by CEN on 2010-03-27.

This document supersedes [A2⟩ EN 1279-5:2005+A1:2008 ⟨A2].

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A1⟩ ⟨A1] and [A2⟩ ⟨A2].

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This Part of the European Standard does not stand-alone, it is part of one standard with the general title *Glass in building - Insulating glass units*:

— *Part 1: Generalities, dimensional tolerances and rules for the system description*

— *Part 2: Long term test method and requirements for moisture penetration*

— *Part 3: Long term test method and requirements for gas leakage rate and for gas concentration tolerances*

— *Part 4: Methods of test for the physical attributes of edge seals*

— *Part 5: Evaluation of conformity*

— *Part 6: Factory production control and periodic tests*

This European Standard contains other aspects of importance of trade.

This European Standard includes a Bibliography.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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1 Scope

This European Standard specifies requirements, the evaluation of conformity and the factory production control of insulating glass units for use in buildings.

NOTE 1 For glass products with electrical wiring or connections for e.g. alarm or heating purposes, other directives, e.g. Low Voltage Directive, may apply.

The main intended uses of the insulating glass units are installations in windows, doors, curtain walling, roofs and partitions where there exists protection against direct ultraviolet radiation at the edges.

NOTE 2 In cases where there is no protection against direct ultra-violet radiation at the edges, such as structural sealant glazing systems, additional European technical specifications should be followed (e.g. [A1⟩ EN 15434 ⟨A1], [A1⟩ EN 13022-1 ⟨A1]).

NOTE 3 Units for which the intended use is only ‘artistic’ and therefore no essential requirement is required, are not subject to CE marking and are not part of this European Standard.

2 Normative references

The following referenced documents are indispensable for the application 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 356, *Glass in building — Security glazing — Testing and classification of resistance against manual attack*

EN 410, *Glass in building — Determination of luminous and solar characteristics of glazing*

EN 572-1, *Glass in building — Basic soda lime silicate glass products — Part 1: Definitions and general physical and mechanical properties*

EN 673, *Glass in building — Determination of thermal transmittance (U value) — Calculation method*

EN 674, *Glass in building — Determination of thermal transmittance (U value) — Guarded hot plate method*

EN 675, *Glass in building — Determination of thermal transmittance (U value) — Heat flow meter method*

EN 1063, *Glass in building — Security glazing — Testing and classification of resistance against bullet attack*

EN 1279-1:2004, *Glass in building — Insulating glass units — Part 1: Generalities, dimensional tolerances and rules for the system description*

EN 1279-2:2002, *Glass in building — Insulating glass units — Part 2: Long term test method and requirements for moisture vapour penetration*

EN 1279-3:2002, *Glass in building — Insulating glass units — Part 3: Long term test method and requirements for gas leakage rate and for gas concentration tolerances*

EN 1279-4:2002, *Glass in building — Insulating glass units — Part 4: Methods of test for the physical attributes of edge seals*

EN 1279-6:2002, *Glass in building — Insulating glass units — Part 6: Factory production control and periodic tests*

EN 1748-1-1, *Glass in building — Special basic products — Borosilicate glasses — Part 1-1: Definition and general physical and mechanical properties*

EN 1748-2-1, [A1⟩ *Glass in building — Special basic products — Glass ceramics — Part 2-1: Definitions and general physical and mechanical properties* ⟨A1]

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