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BSI Standards Publication

## Glass in building - Insulating glass units

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Part 6: Factory production control and periodic tests

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## National foreword

This British Standard is the UK implementation of EN 1279-6:2018. It supersedes BS EN 1279-6:2002, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/520, Glass and glazing in building.

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

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## Glass in building - Insulating glass units - Part 6: Factory production control and periodic tests

Verre dans la construction - Vitrage isolant - Partie 6:  
Contrôle de production en usine et essais périodiques

Glas im Bauwesen - Mehrscheiben-Isolierglas - Teil 6:  
Werkseigene Produktionskontrolle und  
wiederkehrende Prüfungen

This European Standard was approved by CEN on 8 March 2018.

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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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 1279-6:2018) 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of an identical text or by endorsement, at the latest by January 2019 and conflicting national standards shall be withdrawn at the latest by January 2019.

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 1279-6:2002.

The main changes compared to the previous edition EN 1279-6:2002 are:

- a) The standard has been fully technically and editorially revised;
- b) The scope has been changed;
- c) Terms and definitions and symbols have been moved to EN 1279-1:2018;
- d) The annexes have been renumbered;
- e) Annex A of former standard partly moved to EN 1279-1:2018;
- f) Annex B: tables were restructured and new systems added;
- g) Annexes I and J: added to describe tests for new systems;
- h) Annex K: dew point measurement added from EN 1279-2:2018;
- i) Annexes C and G of former standard moved to new EN 1279-4:2018, Annex J and I.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

This European Standard "Glass in Building - Insulating glass units" consists of the following Parts:

- *Part 1: Generalities, system description, rules for substitution, tolerances and visual quality;*
- *Part 2: Long term test method and requirements on water vapour 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 sealant components and inserts;*
- *Part 5: Product standard;*
- *Part 6: Factory production control and periodic tests.*

These parts are inextricably bound up with each other.

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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, 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.



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## 1 Scope

This document describes the routine factory production control, the periodic testing and inspection and test methods to verify that an insulating glass unit (IGU) conforms to the system description.

## 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 1279-1:2018, *Glass in building — Insulating glass units — Part 1: Generalities, system description, rules for substitution, tolerances and visual quality*

EN 1279-2:2018, *Glass in building — Insulating glass units — Part 2: Long term test method and requirements for moisture penetration*

EN 1279-3:2018, *Glass in building — Insulating glass units — Part 3: Long term test method and requirements for gas leakage rate and for gas concentration tolerances*

EN 1279-4:2018, *Glass in building — Insulating glass units — Part 4: Methods of test for the physical attributes of edge seal components and inserts*

EN 10204, *Metallic products — Types of inspection documents*

EN 13022-1, *Glass in building — Structural sealant glazing — Part 1: Glass products for structural sealant glazing systems for supported and unsupported monolithic and multiple glazing*

EN 15434, *Glass in building — Product standard for structural and/or ultraviolet resistant sealant (for use with structural sealant glazing and/or insulating glass units with exposed seals)*

ISO/IEC 17050-1:2004, *Conformity assessment — Supplier's declaration of conformity — Part 1: General requirements*

ISO/IEC 17050-2:2004, *Conformity assessment — Supplier's declaration of conformity — Part 2: Supporting documentation*

## 3 Terms and definitions and symbols

### 3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1279-1:2018 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>