



BSI Standards Publication

Glass in building - Insulating glass units

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

National foreword

This British Standard is the UK implementation of EN 1279-2:2018. It supersedes BS EN 1279-2:2002, which is withdrawn.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.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Glass in building - Insulating glass units - Part 2: Long term test method and requirements for moisture penetration

Verre dans la construction - Vitrage isolant -
Partie 2 : Méthode d'essai de longue durée et
exigences en matière de pénétration d'humidité

Glas im Bauwesen - Mehrscheiben-Isolierglas - Teil
2: Langzeitprüfverfahren und Anforderungen
bezüglich Feuchtigkeitsaufnahme

This European Standard was approved by CEN on 16 March 2018.

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European foreword

This document (EN 1279-2:2018) 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of an identical text or by endorsement, at the latest by January 2019 and conflicting national standards shall be withdrawn at the latest by January 2019.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 1279-2:2002.

The main changes compared to the previous edition EN 1279-2:2002 are:

- a) Measurement of the dew point of the 15 specimens was removed, the specimens are randomly selected;
- b) The tolerance of some temperature was increased:
 - During cycling, $\theta_l = (-18,0 \pm 2,0) ^\circ\text{C}$;
 - During the slopes: $\theta = (\theta_s \pm 4,0) ^\circ\text{C/h}$ (for other specimens than the centred one);
 - During constant temperature: $\theta_c = (58 \pm 1) ^\circ\text{C}$;
- c) The time to move the specimens from one cabinet to another was increased;
- d) The minimum storage duration before testing was reduced to 3 days;
- e) Test report was revised adding a full description of the test specimens;
- f) [Annex A](#): Dew point was moved to part 6;
- g) Annex B: Measurement of the moisture content was moved to main part (sampling) and part 4 Annex E (measuring with change of temperature from 950 °C to 540 °C);
- h) Annex C: Karl Fisher was moved to main part (sampling) and part 4 Annex F (measuring);
- i) Annex D: Measurement of T_c was moved to part 4 Annex E (desiccant in bulk) or F (Karl Fisher);
- j) Moisture content in insulating glass units without desiccant was moved to [Annex A](#).

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 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 seal components and inserts;*
- *Part 5: Product standard;*
- *Part 6: Factory production control and periodic tests.*

These parts are inextricably bound up with each other.

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.