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Glass in building - Coated glass - Part 4: Product standard

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/18

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English Version

Glass in building - Coated glass - Part 4: Product standardVerre dans la construction - Verre à couche - Partie 4:
Norme de produitGlas im Bauwesen - Beschichtetes Glas - Teil 4:
Produktnorm

This European Standard was approved by CEN on 6 May 2018.

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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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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

EN 1096-4:2018 (E)

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European foreword

This document (EN 1096-4:2018) 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of an identical text or by endorsement, at the latest by February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.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 1096-4:2004.

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

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

The main changes compared to the previous edition are the following:

- a) The standard has been revised to fulfil the requirements of the Regulation (EU) No 305/2011 (Construction Product Regulation), modified by Regulations (EU) No 157/2014, (EU) No 568/2014 and (EU) No 574/2014;
- b) The tolerance on emissivity is reduced to +0,01 for coated glass with a declared normal emissivity lower than 0,10;
- c) The solar factor, g , is listed within the spectrophotometric characteristics to be declared in the Declaration of Performances (DoP);
- d) The durability/conformity assessment is listed within the characteristics to be declared in the DoP;
- e) The mechanical resistance shall be given in the DoP by the characteristic bending strength of the glass substrate.

EN 1096, *Glass in building - Coated glass*, consists of the following parts:

- *Part 1: Definitions and classification*
- *Part 2: Requirements and test methods for class A, B and S coatings*
- *Part 3: Requirements and test methods for class C and D coatings*
- *Part 4: Product standard*
- *Part 5: Test method and classification for the Self-cleaning performances of coated glass surfaces*

This European Standard contains other aspects of importance for trade.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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.

EN 1096-4:2018 (E)**1 Scope**

This European Standard covers the assessment and evaluation of constancy of performance (AVCP) of coated glass for use in buildings.

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

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

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

EN 1096-1:2012, *Glass in building - Coated glass - Part 1: Definitions and classification*

EN 1096-2:2012, *Glass in building - Coated glass - Part 2: Requirements and test methods for class A, B and S coatings*

EN 1096-3:2012, *Glass in building - Coated glass - Part 3: Requirements and test methods for class C and D coatings*

EN 1096-5, *Glass in building - Coated glass - Part 5 - Test method and classification for the self-cleaning performances of coated glass surfaces*

EN 12600, *Glass in building - Pendulum test - Impact test method and classification for flat glass*

EN 12758, *Glass in building - Glazing and airborne sound insulation - Product descriptions and determination of properties*

EN 12898, *Glass in building - Determination of the emissivity*

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

EN 13501-2, *Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 13501-5, *Fire classification of construction products and building elements - Part 5: Classification using data from external fire exposure to roofs tests*

EN 13541, *Glass in building - Security glazing - Testing and classification of resistance against explosion pressure*

EN 15998, *Glass in building - Safety in case of fire, fire resistance - Glass testing methodology for the purpose of classification*

ISO 9385, *Glass and glass-ceramics — Knoop hardness test*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN