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

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. 05/16

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EUROPEAN STANDARD

EN 1096-5

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English Version

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

Verre dans la construction - Verre à couche - Partie 5:
Méthode d'essai et classification des performances
autonettoyantes des surfaces de verre à couche

Glas im Bauwesen - Beschichtetes Glas - Teil 5:
Prüfverfahren und Klasseneinteilung für das
Selbstreinigungsverhalten von beschichteten
Glasoberflächen

This European Standard was approved by CEN on 30 November 2015.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 1096-5:2016) 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of an identical text or by endorsement, at the latest by July 2016, and conflicting national standards shall be withdrawn at the latest by July 2016.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.

This part of the standard is published to allow the test methodology to be used.

As stated in the scope, at the present time, the test procedure does not specifically address the durability of the coating's self-cleaning functionality. Work is on-going to develop applicable testing.

EN 1096, *Glass in building – Coated glass*, is composed of the following parts:

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

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard defines a test method to establish the self-cleaning performances for coatings on glass which utilize sun, rain or a combination of sun and rain to enhance the cleanliness of the glass.

The European Standard applies to class A coated glass as defined in EN 1096-1 and EN 1096-2 for use in outdoor building applications. The test is designed to be applicable for coatings on glass which use hydrophilic or photocatalytic active functionalities to enhance the cleanliness of the glass.

The test procedure does not specifically address the durability of the coating's self-cleaning functionality.

2 Normative references

The following referenced 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 1096-1, *Glass in building - Coated glass - Part 1: Definitions and classification*

EN ISO 4892-3:2013, *Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps (ISO 4892-3:2013)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN