



NSAI
Standards

Irish Standard
I.S. EN 13830:2015

Curtain walling - Product standard

I.S. EN 13830:2015

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This document is based on:

EN 13830:2015

Published:

2015-04-29

*This document was published
under the authority of the NSAI
and comes into effect on:*

2015-05-16

ICS number:

91.060.10

NOTE: If blank see CEN/CENELEC cover page

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 13830

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2015

ICS 91.060.10

Supersedes EN 13830:2003

English Version

Curtain walling - Product standard

Façades rideaux - Norme de produit

Vorhangfassaden - Produktnorm

This European Standard was approved by CEN on 7 February 2015.

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EN 13830:2015 (E)

Foreword

This document (EN 13830:2015) has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by January 2017.

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 supersedes EN 13830:2003.

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, see informative Annexe ZA, which is an integral part of this document.

The new revision extends the scope to sloping parts included in the curtain walling kit and clarifies the exclusion of the following products:

- “Patent glazing” (glazed sloping roofs) kits;
- Roof glazing constructions;
- Façades made of precast concrete panels as part of the wall (see EN 14992).

Here below the list the most important changes compared with the previous version EN 13830:2003:

- new characteristics were added;
- new annexes were introduced, particularly the one for the range of direct application of characteristics (extension rules);
- the durability was dealt in details in Annex I;
- updated Clause 6 and Annex ZA with the provisions of the EU Construction Product Regulation No. 305/2011.

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

Introduction

This European Standard specifies the technical characteristics of curtain walling kit and includes a systematic framework of requirements, test methods and compliance criteria to allow the product to fulfil with it.

Curtain walling kit might not be completed in all respects within a manufacturing area, and some kit components could be supplied separately on site. Curtain walling kit could be also preassembled in plant(s) as prefabricated units.

EN 13830:2015 (E)**1 Scope**

This European Standard specifies requirements of curtain walling kit intended to be used as a building envelope to provide weather resistance, safety in use and energy economy and heat retention and provides test/assessments/calculation methods and compliance criteria of the related performances.

The curtain walling kit covered by this standard should fulfil its own integrity and mechanical stability but does not contribute to the load bearing or stability of the main building structure, and could be replaced independently of it.

This standard applies to curtain walling kit ranging from a vertical position to $\pm 15^\circ$ from the vertical. Any sloping parts should be contained within the curtain walling kit.

This standard is applicable to the whole of the curtain walling kits, including the fixings.

Curtain walling according to this standard is intended to be used as part of the building envelope.

This European Standard does not include:

- “Patent glazing” (glazed sloping roofs) kits;
- Roof glazing constructions;
- Façades made of precast concrete panels as part of the wall (see EN 14992).

NOTE 1 Precast concrete panels may be used in curtain walling kits as infill panels.

NOTE 2 Durability of structural sealed glazing infills is not covered by this standard.

2 Normative references

The following 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 410, *Glass in building - Determination of luminous and solar characteristics of glazing*

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

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

EN 1096-4, *Glass in building - Coated glass - Part 4: Evaluation of conformity/Product standard*

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

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

EN 1279-3, *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, *Glass in building - Insulating glass units - Part 4: Methods of test for the physical attributes of edge seals*

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