



SLOVENSKI STANDARD
SIST EN 13830:2015/oprA1:2018
01-november-2018

Obešene fasade - Standard za proizvod - Dopolnilo A1

Curtain walling - Product standard

Vorhangfassaden - Produktnorm

Façades rideaux - Norme de produit

Ta slovenski standard je istoveten z: EN 13830:2015/prA1

ICS:

91.060.10 Stene. Predelne stene. Walls. Partitions. Facades
Fasade

SIST EN 13830:2015/oprA1:2018 en,fr,de

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Full standard:
<https://standards.iteh.ai/catalog/standard/sist/0e228a32-61d9-4882-b2e7-d21a646beac/sist-en-13830-2015-oprA1-2018>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 13830:2015
prA1

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ICS 91.060.10

English Version

Curtain walling - Product standard

Façades rideaux - Norme de produit

Vorhangfassaden - Produktnorm

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 33.

This draft amendment A1, if approved, will modify the European Standard EN 13830:2015. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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 13830:2015/prA1:2018) 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 document is currently submitted to the CEN Enquiry.

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(s), see informative Annex ZA, which is an integral part of this document.

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EN 13830:2015/prA1:2018 (E)

1 Modification to 4.3, "Fire propagation (to upper levels)"

Replace the content of the 1st paragraph with the following text:

"Ability of curtain walling kit to limit the spread of fire and smoke to adjacent parts (to upper levels) of the same works for a certain amount of time in relation to one or more of characteristics listed above."

Delete the 2nd paragraph.

2 Modification to 5.4, "Fire propagation (to upper levels)"

Replace the content of the 1st paragraph with the following text:

"Partial configuration of curtain walling kit shall be tested for fire propagation to upper levels in accordance with standard test configuration as shown in Table 1 of Annex B of EN 1364-4:2014."

3 Modification to 5.6, "Resistance to its own dead load"

Replace the content of the 2nd paragraph with the following text:

"The maximum deflection (d) of any main horizontal framing (transom) from vertical loads only shall be determined as a fraction of the length (L) of the horizontal framing member (measured between the points of support), preventing any contact between transom and infill panel, ensuring adequate ventilation and drainage of the infill panel if required."

Delete NOTE 2.

4 Modification to 5.7, "Wind load resistance"

Replace the 2nd sentence of the 1st paragraph with the following sentence:

"Under the imposed wind loads only, the maximum frontal deflection (d) of the curtain walling's framing members shall be determined as a fraction of the length (L) of the framing member (measured between the points of support or anchorage to the building's structure)."

Delete the list items in the 1st paragraph.

Delete the 2nd paragraph.

Delete the NOTE.

5 Modification to 5.8, "Resistance to snow load (only for elements subject to snow load)"

Replace the content of the 2nd paragraph (including the list items) with the following text:

"The maximum deflection (d) of the curtain walling's framings members under snow load only shall be determined as a fraction of the length (L) of the framing member (measured between the points of support)."

6 Modification to 5.10, "Resistance to live horizontal loads at sill level"

Replace the content of the 2nd paragraph (including the list items) with the following text:

"In case of horizontal curtain walling's framing member (transom) acting as a sill, the maximum frontal deflection (d) of the curtain walling's framing members (transom) shall be determined as a fraction of the length (L) of the framing member (measured between the points of support)."

7 Modification to Table C.3, "Proposed partial load factors"

Modify the Table as follows:

Delete line 4.

In line 5, add "fixings and cleats".

Type of element to be calculated	γ_Q^e Variable action			$\gamma_G^{d,e}$ Permanent action		
	favourable	unfavourable		favourable	unfavourable	
Main building structure ^a	see Eurocodes			see Eurocodes	see Eurocodes	
	$\gamma_{Q,inf}$	k_{FI}	$\gamma_{Q,sup}^e$	$\gamma_{G,inf}$	k_{FI}	$\gamma_{G,sup}^e$
Curtain walling framework, fixings and cleats ^b	0	0,83	1,25	1,0	0,85	1,15
Infill panel ^{b,c}	0	0,73	1,1	1,0	0,8	1,1
<p>^a Structural construction covered by Eurocodes.</p> <p>^b Non-structural element not covered by Eurocodes.</p> <p>^c In case of glass infill panels, see prEN 16612.</p> <p>^d The lower value is used when the permanent action has a favourable effect in combination with other actions. The higher value is used when the permanent action is considered acting alone or has an unfavourable effect in combination with other loads.</p> <p>^e The numeric values γ given in this table are including the class of consequences coefficient k_{FI}.</p>						

8 Modification to Annex ZA, "Clauses of this standard addressing the provisions of EU Construction Product Regulation"

Replace the Annex ZA title with the following one:

"Relationship to this European Standard with Regulation (EU) No.305/2011".

Replace the entire text in Clause ZA.1 "Scope and relevant characteristics" with the following one:

"This European Standard has been prepared under standardization request M 108 Curtain Walling given to CEN and CENELEC by the European Commission (EC) and the European Free Trade Association (EFTA).

When this European Standard is cited in the Official Journal of the European Union (OJEU), under Regulation (EU) No 305/2011, it shall be possible to use it as a basis for the establishment of the Declaration of Performance (DoP) and the CE marking, from the date of the beginning of the co-existence period as specified in the OJEU.

Regulation (EU) No 305/2011, as amended, contains provisions for the DoP and the CE marking."

Replace "Table ZA.1 — Relevant clauses for curtain walling kit as external walls" with the following one:

"Table ZA.1 — Relevant clauses for curtain walling kit as external walls

Product: Curtain walling kit			
Intended use: Curtain walling kit intended to be used as part of the building envelope			
Essential Characteristic	Clauses of this European Standard(s) related to essential characteristics	Classes and/or threshold levels	Notes
Reaction to fire of components	4.1	Classes	
Fire resistance	4.2	Classes	
(E) Integrity		Classes	
(EI) Integrity and Insulation		Classes	
(EW) Integrity and Radiation		Classes	
Fire propagation	4.3	Classes	
(E) Integrity		Classes	
(EI) Integrity and Insulation		Classes	
(EW) Integrity and Radiation		Classes	
Watertightness	4.4	Classes	
Resistance to its own dead loads	4.5		kN/m ²
Wind load resistance	4.6		kN/m ²
Resistance to snow load (only for elements subjected to snow load)	4.7		kN/m ²
Impact resistance/safe breakage			
Internal	4.8.1	Classes	
External	4.8.2	Classes	
Resistance to live horizontal loads at sill level	4.9		kN/m
Seismic resistance			
Safety in use	4.10.1		
- Inertial forces			N
- Movement accommodation			Degrees + description
- Serviceability	4.10.2		Degrees

Product: Curtain walling kit			
Intended use: Curtain walling kit intended to be used as part of the building envelope			
Essential Characteristic	Clauses of this European Standard(s) related to essential characteristics	Classes and/or threshold levels	Notes
Thermal shock resistance	4.11		
Direct airborne sound insulation	4.12		dB
Flanking sound transmission	4.13		dB
Thermal transmittance	4.14		W/m ² K
Air permeability	4.15	Classes	
Water vapour permeability	4.16		°C
Radiation properties			
Total solar energy transmittance (Solar factor)	4.17.1		%
Light transmittance	4.17.2		%
Durability of watertightness: - of gaskets against weathering, ageing and UV action - of sealant against weathering, ageing and UV action	4.19.1	Classes	
Durability of thermal transmittance - of low E coated glass against ageing and UV action - of Insulated Glass Units against ageing and UV action - of core thermal insulation product against ageing	4.19.2		%
Durability of air permeability: - of gaskets against weathering, ageing and UV action - of sealant against weathering, ageing and UV action	4.19.3	Classes	