

HUECK system pass for façades in accordance with EN 13 830 2014-F-04

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Fundamentals

EN 14 830 (2003 - 11)
 Curtain walling

Test reports

EHL 20101222
 ift 155 27872
 PIV 23-12/07E
 PIV 45-42/11
 SG 1247-002-09
 SG 1247-003-09
 SG 7298-001-10
 SG 7298-003-10
 Wintech R 10091
 Wintech R 10091-2
 Wintech R 10091-3
 Wintech R 11879

The Hueck system pass describes the general properties of the given product family according to the specifications given in the product standard.

The classifications apply to the described specimen shown in the tables and to the application range defined in the Hueck system pass.

For the applicability of performance characteristics local building laws and contractual agreements apply.

Contents

The Hueck system pass comprises a total of 7 pages:

1. Summary of performance characteristics in accordance with EN 13830
2. Summary of performance characteristics in accordance with other standards/regulations
3. General information on the Hueck system pass
4. Short description of the product family
5. Overview of the performance characteristics
6. Overview of the performance characteristics in accordance with other standards / guidelines

Customer Hueck GmbH & Co. KG
 Loher Straße 9
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System **Trigon Unit**

Product family Unitized façade

Frame material Aluminium profiles with plastic spacer profiles or insulating foam elements

Properties / classes (according to EN 13 830, annex ZA.1)

Resistance to wind	Resistance to dead weight	Impact resistance	Air permeability	Water tightness	Airborne sound insulation	Thermal transmission
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up to design ±2.4 kN/m ² security ± 3.6 kN/m ²	1)	I5/E5	up to AE 900	up to RE ₁₂₀₀	up to 41 dB	1)
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Fire resistance	Fire behaviour	Spread of fire	Durability	Water vapour permeability	Resistance to changes in temperature	Resistance to horizontal loads
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npd	npd	1)	2)	1)	1)	1)
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Further properties / proofs

Burglar resistance	CWCT certificate	AAMA / ASTM tests	Seismic shock resistance	Flanking sound transmission
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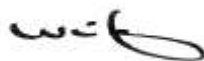
up to WK / RC 2	passed	passed	passed	up to 63 dB (vert.) 62 dB (hor.)
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1) object-specific proof – if required

2) maintenance instructions according to EN 13 830, Annex B

Lüdenscheid, 06. May 2014

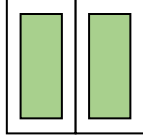
i.V.



Günther Weiß

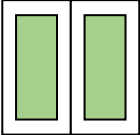
1 Summary of performance characteristics in accordance with EN 13830

The summary for the specific product family compares the performance characteristics defined according to product standard EN 13 830, Section 4 Requirements, with the actual performance characteristics that could be proved.

Section	Characteristic in accordance with EN 13 830	Standard	Product family
			
			Unitized facade
4.1	Resistance to wind load	EN 12 179	design 2.4 kN/m ² safety 3.6 kN/m ²
4.2	Resistance to dead load		
4.3	Impact resistance	EN 12 600	from inside I5 from outside E5
4.4	Air permeability	EN 12 152	up to AE 900
4.5	Water tightness	EN12 154	static bis RE ₇₅₀ dynamic 250 / 750 Pa
4.6	Airborne sound insulation	EN ISO 717-1	npd
4.7	Thermal transmission	EN ISO 12 631	object-specific proof
4.8	Fire resistance	prEN 13 501-2	npd
4.9	Fire behaviour	EN 13 501-1	npd
4.10	Spread of fire		npd
4.11	Durability		npd
4.12	Water vapour permeability		object-specific proof
4.13	Potential equalization		npd
4.14	Seismic shock resistance	AAMA 501.4	passed
4.15	Resistance to changes in temperature		npd
4.16	Building and thermal movements		object-specific proof
4.17	Resistance to dynamic horizontal loads		object-specific proof

2 Summary of performance characteristics according to other standards / regulations

The following other performance characteristics could be proved for the product family:

Section	Characteristic in accordance with EN 13 830	Standard	Product family
			
			unitized façade
1	Burglar resistance	EN 1627 ff	up to WK / RC 2
2	CWCT tests	CWCT standard for systemised building envelopes	passed
3	ASTM / AAMA tests	AAMA 501-04 AAMA 501-05 ASTM 283-04 ASTM 330-02 ASTM 331-00	passed
4	Flanking sound transmission	DIN EN ISO 10 848	horizontal up to 62 (-2; -7) dB vertical 60 (-2; -8) dB