

HUECK product pass
Fassade
according to EN 13 830

2010-F-01 R1 e



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Systeme **Trigon 50**

Product family stick construction
 Type 1: clipped transom profile screwed to the mullion from front
 Type 2: transom profile slid in mullion profile
 Type 3: transom and mullion profile with identical sections

Frame material Aluminium profiles
 with plastic-spacers or foam profiles

Basis

EN 13 830 (2003 – 11)
 Vorhangfassaden

Test reports

ift 108 31057
 ift 211 20627
 ift 211 31112
 ift 211 31392
 ift 432 25026 / 1
 ift 432 25695 / 1
 II.3/2355/04 IVa
 MA 39 VFA 2009-0688.01
 MA 39 VFA 2009-0688.02
 MA 39 VFA 2009-0688.03
 MA 39 VFA 2009-0688.04
 MA 39 VFA 2009-0688.05
 O8M 256 B 01
 Wintech R 2552
 Wintech R 2806
 Z-14.4-463
 Z-14.4-5220

Properties / classifications (according to EN 13 830, Annex ZA.1)

Resistance to wind load 2)	Resistance to dead load 1)	Impact resistance I5 / E5	Air permeability AE	Water tightness RE₁₂₀₀	Acoustic performance R_w (C; C_r) bis 45 (-2, -5) dB	Thermal performance 1)
Fire resistance npd	Reaction to fire npd	Fire propagation 1)	Durability 3)	Water vapour permeability 1)	Thermal shock resistance 1)	Resistance to life loads 1)

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

The classifications apply to the described specimen shown in the tables and are valid for the defined application range.

Further properties

Notch test see chap. 5.1	T-connector see chap. 5.2	Pressure profile connection see chap. 5.2	Burglar resistance see chap. 5.3	Bullet resistance see chap. 5.4	Explosion resistance see chap. 5.5	
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For the applicability of classifications local building laws and contractual agreements apply.

Content

The Hueck product passport consists of 9 pages in total:

1. Abstract of properties according to EN 14 351 - 1
2. General information
3. Short description of the product family
4. General survey of properties of the different product families

¹⁾ project certificate – if required

²⁾ design load ± 2.0 kN/m², safety load ± 3.0 kN/m²

³⁾ recommendations on maintenance requirements according to EN 13 830, Annex B

Lüdenscheid, March 31st 2011

i.V.

Günther Weiß
 K-SE

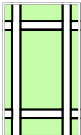
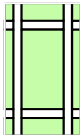
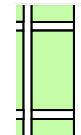
Rechtsform:
 Kommanditgesellschaft
 Sitz Lüdenscheid
 HRA 3081 · AG Iserlohn

Persönlich haftende Gesellschafterin:
 Hueck Geschäftsführungsgesellschaft mbH
 Sitz Lüdenscheid
 HRB 2780 · AG Lüdenscheid

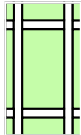
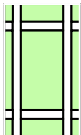
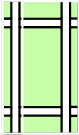
Geschäftsführer der persönlich
 haftenden Gesellschafterin:
 Wolfgang Beck
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Commerzbank Lüdenscheid (BLZ 458 400 26) 6 212 476
 Deutsche Bank Lüdenscheid (BLZ 450 700 02) 2 237 105
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 BIC DEUT DE DW 450
 Umsatzst. ID-Nr. DE 125804843
 St.-Nr. 5/332/5768/0181

1. Abstract of properties according to EN 13 830

No.	Properties according to EN 13 830		Produkt family		
					
			Stick construction type 1	Stick construction type 2	Stick construction type 3
4.1	Resistance to wind load		design 2.4 kN/m ² safety 3.6 kN/m ²	design 2.0 kN/m ² safety 3.0 kN/m ²	design 2.4 kN/m ² safety 3.6 kN/m ²
4.2	Resistance to dead load		project certificate		
4.3	Impact resistance	5: drop height 950 mm 4: drop height 700 mm	I5 E5	I4 E5	I5 E5
4.4	Air permeability	Test pressure A4: 600 Pa AE: > 600 Pa	AE	AE	A4
4.5	watertightness		static up to RE ₁₂₀₀ dynamic 250 Pa / 750 Pa	static up to RE ₁₂₀₀ dynamic 250 Pa / 750 Pa	static up to RE ₇₅₀ dynamic 200 Pa / 600 Pa
4.6	Acoustic performance		R _w (C; C _{tr}) up to 45 (-2, -5) dB		
4.7	Thermal performance		project certificate		
4.8	Fire resistance		npd		
4.9	Reaction to fire		npd		
4.10	Fire propagation		project certificate		
4.11	Durability		recommendations on maintenance requirements according to EN 13 830, Annex B		
4.12	Water vapour permeability		project certificate		
4.13	Equipotentiality		project certificate		
4.14	Seismic shock resistance		project certificate		
4.15	Thermal shock resistance		project certificate		
4.16	Building an thermal movements		project certificate		
4.17	Resistance to live horizontal loads		project certificate		

2. Abstract of properties according to further standards or requirements

No.	property				Product family
					
			Stick construction type 1	Stick construction type 2	Stick construction type 3
1	Notch test	Technische Regeln für die Verwendung von Absturz sichernde Verglasungen	passed		passed
2	T-connector	DIBt-Richtlinie	passed		
3	Pressure profile connection	BIBt-Richtlinie	passed		
4	Burglar resistance	EN V 1627	up to WK 3		up to WK 3
5	Bullet resistance	EN 1522 / EN 1523	FB 4 - NS		
6	Explosion resistance	EN 13124 – 2 US GSA			passed