

**HUECK product pass
(Lift and) Slide door / Slide window
According to EN 14 351 – 1**

2011-T-04 e



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Systems **Volato**

Product family (Lift and) Slide door / window
1. Scheme A
2. Scheme C
3. Scheme D

Basis

EN 14 351 – 1 (2006 – 03)
Windows and pedestrian doors

Frame material Aluminium – plastic - compound profile

Test reports

ift 102 37042/2

PIV 20-30/10
PIV 40-16/10
PIV 40-16/11
PIV 40-19/10
PIV 23-16/10E
PIV 23-18/11

SG Bauakustik 1319-001-11

EHL 20101125R1

Properties / classifications

Resistance to wind load up to B3 / C2	Resistance to snow and permanent load npd	Reaction to fire npd	Water tightness up to 9A	Dangerous substances see chapter 4	Impact resistance npd	Load bearing capacity of safety devices npd
Height and width 2)	Automatic opening devices 2)	Acoustic performance R_w (C; C_{tr}) up to 43 (1; -3)	Thermal resistance 1)	Radiation properties 1)	Air permeability up to 4	Operating forces 1 / 2
Mechanical strength npd	Ventilation npd	Bullet resistance npd	Explosion resistance npd	Mechanical durability npd	Behaviour between different climates 2)	Burglar resistance up to WK 2

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.

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

Content

The Hueck product pass consists of 6 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

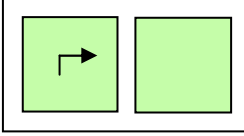
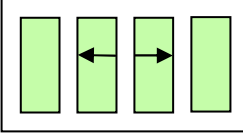
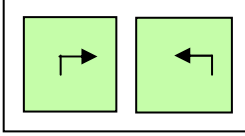
1) project certificate – if required 2) not mandated property for windows / doors

Lüdenscheid, August 4th, 2011

i. V.

Günther Weiß
K-SE

1. Abstract of properties according to EN 14351-1

No.	Properties according to EN 14 351 - 1	Product family 1			Product family 2		Product family 3	
								
		Scheme A			Scheme C		Scheme D	
		Volato S Slide	Volato M		Volato M Lift and slide	Volato M Lift and slide		
			Slide	Lift and slide				
4.2	Resistance to wind load	C1	C2	C2	C2	B3 / C2		
4.3	Resistance to snow and permanent load	Not mandated property for windows and doors						
4.4	Safety in case of fire	npd			npd		npd	
4.5	Watertightness	7A	3A	9A	9A		8A	
4.6	Dangerous substances	Not mandated property for windows and doors						
4.7	Impact resistance	npd			npd		npd	
4.8	Load-bearing capacity of safety devices	npd			npd		npd	
4.9	Height and width	Not mandated property for windows and doors						
4.10	Automatic opening devices	Not mandated property for windows and doors						
4.11	Acoustic performance	npd	npd	R _w (C;C _{tr}) up to 43 (1;-3)	npd		npd	
4.12	Thermal performance	U _w value for standard size 1.23 m x 2.18 m or 2.00 m x 2.18 m or object-related has to be declares						
4.13	Radiation properties	total energy transmittance g and light transmittance τ are to be declared object-related based on CE marking of glass units						
4.14	Air permeability	4	4	3	3		4	
4.16	Operating forces	1	npd		npd		npd	
4.17	Mechanical strength	npd			npd		npd	
4.18	Ventilation	npd			npd		npd	
4.19	Bullet resistance	npd			npd		npd	
4.20	Explosion resistance	npd			npd		npd	
4.21	Mechanical durability	npd			npd		npd	
4.22	Behaviour between different climates	Not mandated property for windows and doors						
4.23	Burglar resistance	npd	npd	up to WK 2	up to WK 2		up to WK 2	