

**HUECK system pass  
window  
in accordance to EN 14 351 – 1**

**2010-W-03-R1-E**

**HUECK**

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*System* **Lambda 77 L**

*Product line* 1. Turn, tilt and turn, tilt window and window doors  
2. Parallel sliding and tilting windows and window doors  
3. Double casement windows and window doors  
4. Fixed glazing

*Frame material* Aluminium plastic compound profile

**Basic information**

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

**Test report**

ift 101 32468/1  
ift 101 32468/2  
ift 101 32468/3  
ift 101 32468/4  
ift 101 32468/5  
ift 161 37013/1  
ift 432 33985/3  
ift 432 33985/5

PIV 20-30/10  
PIV 23-2/10E  
PIV 23-3/09E  
PIV 23-4/09  
PIV 23-19/09E  
PIV 40-66/09

**Properties / Classes**

Resistance to wind load  <b>to C5 / B5</b>	Resistance to snow and permanent load  <b>npd</b>	Safety in case of fire  <b>npd</b>	Water tightness  <b>to E 1050</b>	Dangerous substances  See section 4	Impact resistance  <b>1</b>	Load-bearing capacity of safety devices  <b>passed</b>
Height and width  2)	Automatic opening device  2)	Acoustic performance  <b>R<sub>w</sub> (C; C<sub>tr</sub>) bis 47 (-1; -3)</b>	Thermal performance  1)	Radiation properties  1)	Air permeability  <b>4</b>	Operating forces  <b>1</b>
Mechanical strength  <b>4</b>	Ventilation  <b>npd</b>	Bullet resistant  <b>npd</b>	Explosion resistant  <b>npd</b>	Mechanical durability  <b>2</b>	Behavior between different climates  2)	Burglar resistant  <b>to WK 3</b>

The Hueck product 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 are valid for the defined application range.

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

**Content**

The Hueck system pass comprises a total of 8 pages:

1. Summary of performance characteristics in according with EN 14 351 - 1
2. General conditions
3. Short description of the product family
4. Overview of the benefits of each product family


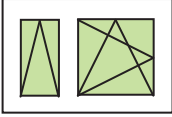
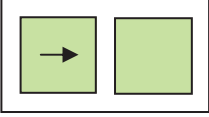
1) project certificate – if required      2) non mandated property for windows

Lüdenscheid, 23. November 2011

i.V. 

Günther Weiß  
K-SE

## 1. Summary of performance characteristics in according with EN 14351-1

Lfd. Nr.	Performance characteristics in according with EN 14 351 - 1	Product family 1	Product family 2	Product family 4
				
		Turn, tilt and turn, tilt window and window door and fixed glazing	French window and window door	Parallel sliding and tilting window and window door
4.2	Resistance to wind load	C2 / B2 to C5 / B5	C2 /B3 to C3 / B3	C3
4.3	Resistance to snow and permanent load	not applicable	not applicable	not applicable
4.4	Safety in case of fire	npd	npd	npd
4.5	Water tightness	9A – E 1050	E 900	9A
4.6	Dangerous substances	npd	npd	npd
4.7	Impact resistance	1	npd	npd
4.8	Load-bearing capacity of safety devices	passed	passed	npd
4.9	Height and width	not applicable	not applicable	not applicable
4.10	Automatic opening device	not applicable	not applicable	not applicable
4.11	Acoustic performance	$R_w$ (C; $C_{tr}$ ) up to 47 (-1; -3)	npd	npd
4.12	Thermal performance	U values for standard size 1.23 m x 1.48 m or 1,48 m x 2.18 m or project related have to be declared		
4.13	Radiation properties	The total solar energy transmittance g and light transmittance are $\tau$ object-based evidence by the CE mark of the glazing		
4.14	Air permeability	4	4	4
4.16	Operating forces	1	1	npd
4.17	Mechanical strength	4	4	npd
4.18	Ventilation	npd	npd	npd
4.19	Bullet resistant	npd	npd	npd
4.20	Explosion resistant	npd	npd	npd
4.21	Mechanical durability	2	2	npd
4.22	Behaviour between different climates	npd	npd	npd
4.23	Burglar resistant	up to WK 3	not applicable	not applicable