

**HUECK product pass  
doors  
according to EN 14 351 - 1**

**2010-T-03 R1e**



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Loher Straße 9  
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*Systeme* **Lambda 77 L door**

*Product family* 1. one and two leaf door  
2. inward and outwards opening

*Frame material* Aluminium-plastic-compound profiles

**Basis**

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

**Test reports**

ift 162 37013 / 1  
ift 201 36605  
ift 201 36608  
ift 201 36609  
ift 201 36612  
ift 201 36613  
ift 201 36614  
ift 201 41839  
ift 212 38793  
ift 212 38794

**Properties / classifications**

Resistance to wind load  <b>up to C3</b>	Resistance to snow and permanent load  2)	Safety in case of fire  ---	watertightness  <b>up to 8A</b>	Dangerous substances  See chapter 4	Impact resistance  <b>1</b>	Load-bearing capacity of safety devices  <b>passed</b>
Height and width  1)	Automatic opening devices  <b>npd</b>	Acoustic performance  <b>R<sub>w</sub> (C; C<sub>tr</sub>) bis 41 (-2; -5)</b>	Thermal performance  1)	Radiation properties  1)	Air permeability  <b>up to 3</b>	Operating forces  <b>2</b>
Mechanical strength  <b>3</b>	Ventilation  <b>npd</b>	Bullet resistance  <b>npd</b>	Explosion resistance  <b>npd</b>	Mechanical durability  <b>5</b>	Behaviour between different climates  <b>3(d) 3(e)</b>	Burglar resistance  <b>up to WK 3</b>

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 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) property not applicable for doors

Lüdenscheid, March 22<sup>nd</sup> 2011

i.V.

Günther Weiß  
K-SE

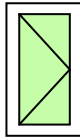
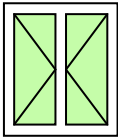
Rechtsform:  
Kommanditgesellschaft  
Sitz Lüdenscheid  
HRA 3081 · AG Iserlohn

Persönlich haftende Gesellschafterin:  
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## 1. Abstract of properties according to EN 14351-1

Lfd. Nr.	Properties according to EN 14 351 - 1	Test standard	Classification standard	Product family 1	Product family 2
					
				single leaf door	Double leaf door
4.2	Resistance to wind load	EN 12 211	EN 12 210	up to C3	up to C2
4.3	Resistance to snow and permanent load	not applicable – only for roof windows			
4.4	Safety in case of fire	not applicable – only for roof windows			
4.5	Watertightness	EN 1027	EN 12 208	up to 8A	up to 3A
4.6	dangerous substances	Manufacturer declares materials, depending on local requirements, which are dangerous to hygienic, health and environment by emission or migration			
4.7	Impact resistance	EN 13 049	EN 13 049	1	npd
4.8	Load-bearing capacity of safety devices	EN 948	threshold value	passed	passed
4.9	Height and width		declared value	clear width and height of passage to be declared	
4.10	Automatic opening devices	siehe EN 179, EN 1125, EN 16 633 und EN 13 637		npd	npd
4.11	Acoustic performance	EN ISO 140-3 EN ISO 717-1	declared value	$R_w$ (C; $C_w$ ) up to 41 (-2 / -5)	npd
4.12	Thermal performance	EN ISO 10 077-1 EN ISO 10 077-2 EN ISO 12567-1	declared value	$U_0$ 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	EN 410 EN 13 363-1 EN 13 363-2	declared value	total energy transmittance $g$ and light transmittance $\tau$ are to be declared object-related based on CE marking of glass units	
4.14	Air permeability	EN 1026	EN 12 207	up to 3	up to 2
4.16	Operating forces	EN 12 046-2	EN 12 217	2	npd
4.17	Mechanical strength	EN 947, EN 948 EN 949, EN 950	EN 1192	3	npd
4.18	Ventilation	EN 13 141-1	declared value	npd	npd
4.19	Bullet resistance	EN 1523	EN 1522	npd	npd
4.20	Explosion resistance	EN 13 124-1 EN 13 124-2	EN 13 123-1 EN 13 123-2	npd	npd
4.21	Mechanical durability	EN 1191	EN 12 400	5	npd
4.22	Behavior between different climates	EN 1121	EN 12 219	3(d) / 3(e)	npd
4.23	Burglar resistance	ENV 1628 ENV 1629 ENV 1630	ENV 1627	up to WK 3	up to WK 3