

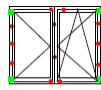




1. Unique identification code of the product-type **IDEAL 4000/5K/GLASS-1K**
2. Intended use/es: **Window and door systems are designed for use in residential, commercial and industrial to the extent provided by the standard of the product BS EN 14351-1: 2006 + A1: 2010**
3. Manufacturer: „**ŁUKPLAST**” Dylak, Rychlik spółka jawna ul. Dworcowa 14; 21-400 Luków
4. System/s of AVCP 3
5. Harmonised standard: **PN-EN 14351-1:2006+A1:2010 Windows and doors. Product standard, performance characteristics. Part 1: Windows and external pedestrian doorsets without resistance to fire and / or smoke control**

Notified body/ies:

Laboratorium Techniki Budowlanej s.c. B. Wójtowicz, A. Żyła, M. Żyła; ul. Iaski 83; 41-306 Dąbrowa Górnicza; No 1827  
 PTE Rosenheim GmbH, ITF – Zentrum Türen Tore Sicherheit; Theodor – Gietl – Str. 7-9; D-83026 Rosenheim; No 0757  
 Instytut Ceramiki i Materiałów Budowlanych ul. Lipowa 3, Kraków 30-702; No 1487

6. Declared performance/s:

ESSENTIAL CHARACTERISTICS	PROPERTIES				
	 1384 x 2206	 874 x 2374	 1492 x 2184	 2630 x 2404	 1384 x 2206
Properties related to the impact of external fire (EN 13501-5)	NPD				
Reaction to fire (EN 13501-1)	NPD				
Water resistant (EN 12208)	E 900	E 1050	E 750	E 750	E 900
Hazardous substances (according to regulations)	NPD				
Resistance to wind load (EN 12210)	C4/B4	C4	C3 / B3	C4 / B4	C4 / B4
Resistance to snow and permanent load (type and thickness of the glass)	NPD				
Resistance to impact (EN 13049)	3				
Load-bearing capacity of safety devices (EN 14609)	NPD				
Height	NPD				
The ability to release	NPD				
Acoustic properties „R <sub>w</sub> ” (EN ISO 140-3) or the reference window 1230mmx1480mm	CONSTRUCTION GLASS	R <sub>w</sub> GLASS		R <sub>w</sub> WINDOW	
	4/16/4 T Ar	31(-2,-5)		34(-2,-5)	
	6/16/4 T Ar	34(-1,-5)		38(-2,-6)	
	6/16/6/T Ar	35(-3,-7)		37(-2,-4)	
	44.2/16/4 T Ar	37(-1,-5)		41(-2,-5)	
	44.2/16/6 T Ar	39(-4,-8)		41(-2,-5)	
	33.1f.akust./16/6 T Ar	40(-2,-6)		43(-2,-6)	
	44.2f.akust./16/6 T Ar	41(-2,-6)		43(-2,-5)	
	8 VSG TF/16/6	42		42(-2,-6)	
	9 VSG Si/16/6	41		42(-2,-5)	
9 VSG Si/16/10	45		44(-1,-2)		
13 VSG Si/19/9 VSG Si	48		45(-1,-3)		
heat transfer „U” (EN ISO 10077-2) or the reference window 1230mmx1480mm	RAMA / U <sub>f</sub> =1,3 W/m <sup>2</sup> .K		GLASS 1-CELL / U <sub>w</sub> = 1,1 W/m <sup>2</sup> .K		WINDOW / U = 1,26 W/ m <sup>2</sup> .K
Radiation properties	NPD				
air permeability (EN 12207)	4	4	4	4	4
operating forces (EN 13115)	1	1	1	1	1
Mechanical strength (EN 13115)	4	4	4	4	4
Mechanical resistance (EN 12400)	2	2	2	2	2

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.  
 Signed for and on behalf of the manufacturer by:

Prezes Andrzej Dylak

Prezes Mirosław Rychlik