

## Declaration of Performance

### no 12/2021EN

1. Name of product: Windows V82 POWERTHERM+
2. Code of product type: V82
3. Identification number: XXXXXX
4. Intended use: Window system suitable for use residential and business buildings
5. Manufacturer: **Witraż spółka z ograniczoną odpowiedzialnością**, Łyski, ul. Warszawska 68, 16-070 Choroszcz
6. System of assessment of constancy of performance: 3
7. Notified body: CSI a.s., nn. 1390, 1390 – CPR – 0123/2015/Z
8. Harmonized technical specification: EN 14351-1:2006+A1:2010
9. Declared performance:

Essential features	Performance
Resists to wind load	C4/B4 for single sash windows C3/B3 for windows with flying mullion
Resistance to heavy rain	9A for single sash windows 7A for windows with flying mullion
Hazardous substances	Not included
Load-bearing capacity of safety devices	Fulfill
Air permeability	4

Sound insulation (dB) for reference single sash window of 1.23m x 1.48m (area of $\leq 2,7 \text{ m}^2$ )			
Glazed unit	Declared value:	Glazed unit	Declared value:
4-18-4-18-4	33(-1;-6)dB	6-12-4-12-8	42 (-2;-4) dB
4-12-4-12-4, 4-16-4-16-4	36 (-1;-4) dB	10-18-8	44 (-1;-4) dB
4-16-4-16-8	40 (-1;-3) dB	8-12-4-12-8	44 (-1;-3) dB
4-12-4-12-8	41 (-1;-4) dB	VSG-SI 66.1-12-6-12-VSG-SI 44.1	45 (0;-2) dB
4-16-4-16-6,	41 (-2;-4) dB		

Thermal insulation ( $W / m^2 K$ ) - w value determined for the reference window of 1.23m x 1.48m			
$U_g$ $W/m^2 K$	Glass spacer systems		
	Standard glazing $\Psi=0,07 W/mK$	Warm glazing $\Psi=0,042 W/mK$	Warm glazing $\Psi=0,033 W/mK$
1,1	1,3	1,2	1,1
1,0	1,2	1,1	1,1
0,9	1,1	1,0	1,0
0,8	1,0	0,96	0,94
0,7	0,98	0,89	0,87
0,6	0,92	0,83	0,81
0,5	0,85	0,76	0,74
0,4	0,78	0,69	0,67
0,3	0,72	0,63	0,61

Responsible for the creation of the declaration of performance is only the manufacturer according to number 5.

Signed for the manufacturer and in the name of the manufacturer: Wojciech Cyrulik

Łyski, 04.05.2021

Pełnomocnik ds. Zakładowej  
Kontroli Produkcji  
*Wojciech Cyrulik*  
Wojciech Cyrulik