

Declaration of Performance

no 21/2021EN

1. Name of product: Windows Kömmerling 88
2. Code of product type: PM88
3. Identification number: XXXXXX
4. Intended use: Window system suitable for use residential and business buildings
5. Manufacturer: **Witraż Sp. z O.o.**, Łyski, ul. Warszawska 68, 16-070 Choroszcz
6. System of assessment of constancy of performance: 3
7. Notified body: ift Rosenheim, NB 0757
8. Harmonized technical specification: : EN 14351-1:2006+A2:2016
9. Declared performance:

Essential features	Performance
Resistans to wind load	C4/B5 for single sash windows C1/B2 for windows with flying mullion
Resistance to heavy rain	9A for single sash windows 9A 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:
4-16-4	35(-2;-5)dB	6-12-4-12-44.1	42 (-2;-6) dB
4-12-4-12-4, 4-16-4-16-4	34 (-1;-5) dB	VSG SI 44.1-24-8	45 (-2;-4) dB
4-16-4-16-4	35 (-2;-7) dB	VSG 4.2-20-VSG 44.2	46 (-1;-5) dB
6-16-4	38 (-1;-5) dB	VSG SI 66.2-24-VSG SI 44.1	47 (-1;-4) dB
6-12-4-12-4	39 (-2;-5) dB		

Thermal insulation ($\text{W} / \text{m}^2 \text{ K}$) - w value determined for the reference window of 1.23m x 1.48m			
U_g $\text{W/m}^2 \text{ K}$	Glass spacer systems		
	Standard glazing $\Psi=0,07 \text{ W/mK}$	Warm glazing $\Psi=0,042 \text{ W/mK}$	Warm glazing $\Psi=0,033 \text{ W/mK}$
1,1	1,2	1,1	1,1
1,0	1,1	1,1	1,1
0,9	1,1	1,0	0,99
0,8	1,0	0,94	0,92
0,7	0,94	0,87	0,85
0,6	0,87	0,81	0,79
0,5	0,80	0,74	0,72
0,4	0,74	0,67	0,65
0,3	0,67	0,60	0,59

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