

Declaration of Performance

no 02/2021EN

1. Name of product: Windows Thermoline 78
2. Code of product type: D78, D78R
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: MLTB, nb 2189, CSI a.s., nb. 1390
8. Harmonized technical specification: EN:14351-1+A2:2016
9. Declared performance:

Essential features	Performance
Resistans to wind load	C5 for single and multi-sash windows C4 for balcony windows with flying mullion
Resistance to heavy rain	E750 for single sash windows 7A for windows with flying mullion and multi-sash windows 3A for balcony 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:	Declared value:	Glazed unit
4-16-4, Rw 30(-1;-3)dB	33(-1;-4)dB	6-16-4, Rw 35(-1;-5)dB	35(-1;-4)dB
6-16-6, Rw 31(-1;-4)dB	33(-1;-4)dB	8-12-4, Rw 36(-2;-5)dB	36(-1;-5)dB
4-12-4-12-4, Rw 33(-1;-4)dB	34(-1;-4)dB	6-12-4-12-4, Rw 36(-1;-5)dB	36(-1;-5)dB
8-12-4-12-6, Rw 39(-1;-4)	37(-1;-4)dB	44.2-16-4-16-33.1, Rw 40(-1;-4)dB	38(-1;-4)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 $\Psi=0,07 \text{ W/m}^2 \text{ K}$	Warm glazing $\Psi=0,04 \text{ W/m}^2 \text{ K}$	Warm glazing $\Psi=0,032 \text{ W/m}^2 \text{ K}$
1,1	1,3	1,2	1,2
1,0	1,3	1,2	1,2
0,9	1,2	1,1	1,1
0,8	1,1	1,0	1,0
0,7	1,1	0,97	0,95
0,6	1,01	0,90	0,88
0,5	0,94	0,83	0,81

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: Andrzej Fiedorowicz

Łyski, 04.05.2021

DYREKTOR
d/s Produkcji
Andrzej Fiedorowicz