

Thermal Performance Visoglide Plus

Thermal Simulation BS EN ISO 10077-2
BS EN 14351-1

smart
architectural aluminium

U Value W/m ² K
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6

Glazing Specification									
Typical Spacer Bar Performances ² W/m									
Aluminium Typical 0.111	Stainl Steel Typical 0.069	Nirotec 015 Helmut Lingemann 0.066	Swisspacer Saint-Gobain 0.060	TGI Spacer TechnoForm 0.051	Thermix TX.N Ensinger 0.051	Super Spacer TriSeal Edgetech 0.041	Swisspacer V Saint-Gobain 0.039	Super Spacer Standard Edgetech	Duralite Tremco 0.025
Centre Pane ¹ W/m ² K									
				0.3	0.3	0.3	0.3	0.3	0.3
	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2
1.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4
1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
1.5	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0
1.9	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3
2.1	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4

ADL 2010			
Domestic		Commercial	
L1A New Domestic	L1B Referb Domestic	L2A New Commercial	L2B Referb Commercial
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	①	•	•
•	①	•	○
○	①	•	○
○	①	•	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

System Thermal Performance.

Calculation in accordance with BR443, Thermal transmittance of system from numerical method of simulations, BS EN ISO 10077-2

¹ Thermal Transmittance of glazing (Centre Pane) to be determined in accordance with EN 673, EN 674 or EN675.

² Spacer Bar Data to be Calculated in accordance with ift-Guidelines WA-08 'Determination of representative values for profile sections of windows

³ Calculated overall thermal performance to BS EN ISO 1007-1 configuration to EN 14351-1 Annex E as per UK 2010 Building Regulations.

•①L1B dependent on g value of glazing windows may also be compliant with energy rating calculation