

THERMAL PERFORMANCE Generic Windows

Thermal Performance of generic windows in					Aluminium Frames	Composite Aluminium Frame	Thermally Broken Frame	Aluminium Frames	Composite Aluminium Frame	Thermally Broken Frame
mm	Outer Pane	Space mm	Inner Pane mm	Inner Pane	R Window	R Window	R Window	SC COG	SC COG	SC COG
Single Glazed										
4	Clear	-	-	-	0.15	0.15	0.17	0.97	0.97	0.97
6	Clear Laminated	-	-	-	0.15	0.15	0.17	0.92	0.92	0.92
4	Clear Low E	-	-	-	0.21	0.21	0.24	0.82	0.82	0.82
6	Solar Low E	-	-	-	0.19	0.20	0.22	0.69	0.69	0.69
5	Grey	-	-	-	0.15	0.15	0.17	0.71	0.71	0.71
5	Bronze	-	-	-	0.15	0.15	0.17	0.77	0.77	0.77
6	Green	-	-	-	0.15	0.15	0.17	0.71	0.71	0.71
5	Evergreen	-	-	-	0.15	0.15	0.17	0.67	0.67	0.67
6	Arctic Blue	-	-	-	0.15	0.15	0.17	0.6	0.6	0.6
Insulated Glass Units										
4	Clear	6	4	Clear	0.24	0.24	0.28	0.85	0.85	0.85
4	Clear	8	4	Clear	0.25	0.25	0.3	0.85	0.85	0.85
4	Clear	10	4	Clear	0.25	0.25	0.31	0.85	0.85	0.85
4	Clear	12	4	Clear	0.26	0.26	0.31	0.85	0.85	0.85
5	Grey	12	4	Clear	0.26	0.26	0.31	0.58	0.58	0.58
5	Bronze	12	4	Clear	0.26	0.26	0.31	0.64	0.64	0.64
6	Green	12	4	Clear	0.26	0.26	0.31	0.58	0.58	0.58
5	Evergreen	12	4	Clear	0.26	0.26	0.31	0.54	0.54	0.54
6	Arctic blue	12	4	Clear	0.26	0.26	0.31	0.46	0.46	0.46
4	Clear	8 argon	4	Clear	0.26	0.26	0.31	0.85	0.85	0.85
4	Clear	10 argon	4	Clear	0.26	0.26	0.32	0.85	0.85	0.85
5	Grey	12 argon	4	Clear	0.26	0.27	0.32	0.58	0.58	0.58
5	Evergreen	12 argon	4	Clear	0.26	0.27	0.32	0.53	0.53	0.53
4	Clear	12	4	Clear Low E	0.31	0.31	0.39	0.8	0.8	0.8
6	Solar Low E	12	4	Clear	0.29	0.29	0.36	0.59	0.59	0.59
5	Grey	12	4	Clear Low E	0.31	0.31	0.39	0.52	0.52	0.52
5	Evergreen	12	4	Clear Low E	0.31	0.31	0.39	0.47	0.47	0.47
4	Clear	10 argon	4	Clear Low E	0.32	0.32	0.41	0.8	0.8	0.8
5	Grey	12 argon	4	Clear Low E	0.32	0.33	0.41	0.51	0.51	0.51
Note										
1	For single glazing the Low E coated surface is on one side of the building.									
2	For an IGU the Low E coating is on surface 2 if an outer pane and surface 3 of the IGU if an inner pane									
3	The performance of the units containing argon gas is based on the cavity having a 90% argon/10% air mix									