

10.2 Thermal insulating glasses

Table 4: ClimaGuard® – Thermal insulating glass

Product	Glass substrate	Colour	Visible light				Solar energy				EN 410 Solar factor (g)	Shad. Coefficient g EN/0.87	U value (EN 673)		Heat treatable ¹	Bendable ¹	Edge delon ¹	Ceramic print on coating ¹
			Transmission [%]	Reflection outside [%]	Reflection inside [%]	Colour rendering index	Direct [%]	Transmission [%]	Reflection outside [%]	Absorption [%]			Air Krypton ² [W/m ² K]	Argon [W/m ² K]				
Double Glazing 4-16-4, coating on surface #3																		
NRG	ExtraClear	neutral	81	13	98	66	19	15	74	0.85	1.5	1.3	HT	HT	Yes	No		
PREMIUM	ExtraClear	neutral	80	12	97	55	29	16	63	0.72	1.4	1.1	HT	HT	Yes	No		
1.0	ExtraClear	neutral	70	20	98	45	38	17	53	0.61	1.3	1.0	HT	Yes ³	Yes	No		
Double Glazing 4-16-4, coating on surface #2																		
EcoSUN	ExtraClear	neutral	70	12	94	36	43	21	38	0.44	1.3	1.0	No	No	Yes	No		
SOLAR	ExtraClear	neutral	67	27	96	41	43	16	42	0.49	1.3	1.0	No	No	Yes	No		
NEUTRAL 70	ExtraClear	neutral	70	12	96	51	20	29	55	0.63	1.6	1.4	Yes	Yes	No	Yes		
Triple Glazing 4-14-4-14-4, coating on surface #2 + #5																		
NRG	ExtraClear	neutral	73	16	96	54	22	24	62	0.71	0.6 ²	0.7	HT	HT	Yes	No		
PREMIUM	ExtraClear	neutral	71	15	96	42	32	26	49	0.56	0.5 ²	0.6	HT	HT	Yes	No		
1.0	ExtraClear	neutral	55	30	96	30	46	24	37	0.42	0.4 ²	0.6	HT	Yes ³	Yes	No		

The performance values shown are nominal and subject to variations due to manufacturing tolerance. Spectra-photometric values conform to EN 410 ; U-values conform to EN 673.

All details relating to further processing is provided for general information purposes only. For further information, please consult GUARDIAN processing directives for coated glass or contact GUARDIAN's technical department.

¹ Consult GUARDIAN processing directives or contact

GUARDIAN

² Krypton

³ on request