



PRODUCT DESCRIPTION	Visible Light			Solar Energy											U-Values (W/m <sup>2</sup> .K)				RHG (NFRC)	
	LT%	LR%		ET%	ER%	European				American				European		American		W/m2		
		Ext	Int			EN410		NFRC*		EN673	NFRC*		Winter	Summer						
	g - value			SC	SHGC	SC	12mm air	16mm air	12mm air		16mm air	12mm air			16mm air	12mm air	16mm air			
	Coating	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
E-Lite Gold	14	34	28	10	38	15	14	0.17	0.16	12	12	0.14	0.14	1.66	1.42	1.72	1.76	1.68	1.43	101
E-Lite Sahara	16	15	26	12	24	18	17	0.20	0.20	15	15	0.18	0.18	1.79	1.56	1.81	1.85	1.81	1.58	128
E-Lite Sunset	22	11	31	16	21	22	22	0.25	0.25	19	19	0.23	0.23	1.76	1.53	1.79	1.83	1.78	1.55	159
E-Lite Blue 30	24	27	12	17	28	22	22	0.26	0.25	21	21	0.24	0.24	1.77	1.54	1.79	1.83	1.79	1.55	165
E-Lite Blue 40	38	21	18	24	24	30	29	0.34	0.34	27	27	0.32	0.32	1.72	1.49	1.75	1.79	1.73	1.49	215
E-Lite Blue 50	46	23	20	30	24	36	36	0.42	0.41	34	34	0.40	0.40	1.73	1.50	1.76	1.80	1.75	1.51	266
E-Lite BlueGreen 30	17	20	13	9	14	15	15	0.18	0.17	14	14	0.16	0.16	1.75	1.52	1.78	1.82	1.77	1.54	115
E-Lite BlueGreen 40	30	17	18	15	12	21	20	0.24	0.23	18	18	0.21	0.21	1.72	1.49	1.75	1.79	1.73	1.49	146
E-Lite BlueGreen 50	38	15	16	18	11	25	24	0.28	0.28	22	22	0.25	0.25	1.72	1.48	1.75	1.79	1.73	1.49	171
E-Lite Green 30	23	41	13	20	29	26	25	0.30	0.29	25	25	0.29	0.29	1.75	1.52	1.78	1.82	1.77	1.53	197

**MEASUREMENTS:** Measurements are done at Emirates Glass Laboratory using Perkin Elmer spectrophotometers comprising "Spectrum on FT-IR" for measurement of surface emissivity and "LAMDA 900 UV/Vis/NIR" for measurement of spectral transmission.

**INPUT DATA:** Input data are given in accordance with boundary conditions established in Europe and North America as follows:

*Spectral and Optical : Values are calculated according to:*

EUROPE – EN 410 (AIR MASS = 1.00: SOLAR ELEVATION = 90°)

USA – NFRC 300/200 (AIR MASS = 1.50: SOLAR ELEVATION = 42°)

*Thermal Insulation : U-Values are calculated according to:*

EUROPE - EN 673

USA - NFRC 100

**TOLERANCES:** The above data represent nominal values based on center-of-glass measurements and take no account of IG spacers or framing. Furthermore, the data are based on representative samples of factory production, but actual samples may vary slightly due to manufacturing tolerances as well as the type of instrumentation and calibration used by 3rd parties to measure the spectral and thermal insulation values.  
A slight shift in visible light transmittance or reflectance may be noticed after heat treatment.

**NOTE:** Edge Deletion - MSVD Low E coatings applied to architectural float glass contain silver which, if the edge is exposed to humidity, can potentially cause failure of the insulating unit seals. Low E coatings containing silver and double silver products must therefore always be edge deleted prior to the application of primary and secondary sealants in order to maintain the integrity of the unit.

Emirates Glass reserves the right to change product performance characteristics without notice or obligation.