



PRODUCT DESCRIPTION		Visible Light			Solar Energy										U-Values (W/m ² .K)				RHG (NFRC)		
		LT%	LR%		ET%	ER%	European				American				European		American			W/m ²	
			Ext	Int			EN410				NFRC*				EN673		NFRC*				
		12mm air			16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air		
Coating	Substrate	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NE270	Extra Clear	64	12	11	46	18	53	53	0.61	0.61	49	49	0.57	0.57	1.85	1.63	1.85	1.88	1.86	1.64	374
NE370		65	11	11	49	21	70	70	0.81	0.81	65	65	0.76	0.76	1.87	1.66	1.87	1.90	1.88	1.66	494
NE270	Clear	63	11	11	45	15	51	51	0.59	0.59	48	48	0.55	0.55	1.87	1.66	1.87	1.90	1.88	1.66	362
NE370		63	11	11	45	17	64	64	0.74	0.74	60	60	0.69	0.69	1.87	1.66	1.87	1.90	1.88	1.66	450
NE270	Green	53	9	10	29	8	36	35	0.41	0.41	32	32	0.37	0.37	1.87	1.65	1.86	1.89	1.87	1.65	248
NE370		52	9	11	27	7	41	41	0.47	0.47	36	36	0.42	0.42	1.87	1.66	1.87	1.90	1.88	1.66	280
NE270	Bronze	38	7	9	26	9	33	33	0.38	0.38	31	31	0.36	0.36	1.86	1.64	1.86	1.89	1.87	1.65	242
NE370		38	7	10	27	10	42	42	0.48	0.48	39	39	0.46	0.46	1.87	1.66	1.87	1.90	1.88	1.66	305
NE270	Grey	32	6	9	24	8	31	30	0.36	0.35	28	28	0.33	0.33	1.87	1.66	1.87	1.90	1.88	1.66	223
NE370		32	6	10	24	8	38	38	0.44	0.44	35	35	0.41	0.41	1.87	1.66	1.87	1.90	1.88	1.66	273
NE270	Blue	41	7	9	31	10	38	38	0.44	0.43	35	35	0.41	0.41	1.87	1.65	1.86	1.89	1.87	1.65	273
NE370		40	7	10	29	9	44	44	0.51	0.51	40	40	0.47	0.47	1.87	1.66	1.87	1.90	1.88	1.66	311
NE270	Bluegreen	43	8	10	25	7	32	31	0.37	0.36	28	28	0.33	0.33	1.87	1.65	1.86	1.90	1.88	1.66	223
NE370		45	8	10	25	7	38	38	0.43	0.43	33	33	0.38	0.38	1.87	1.66	1.87	1.90	1.88	1.66	254
NE270	Azurlite	48	9	10	24	7	30	30	0.35	0.34	26	26	0.30	0.30	1.88	1.67	1.87	1.90	1.88	1.67	204
NE370		49	8	10	25	7	37	37	0.42	0.42	31	31	0.36	0.36	1.87	1.66	1.87	1.90	1.88	1.66	242
NE270	Caribia	49	9	10	25	7	31	31	0.36	0.35	27	27	0.31	0.31	1.88	1.66	1.87	1.90	1.88	1.66	210
NE370		49	8	10	24	6	37	36	0.42	0.42	31	31	0.36	0.36	1.87	1.66	1.87	1.90	1.88	1.66	242

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.