

PRODUCT DESCRIPTION		Visible Light					Solar Energy								U-Values (W/m ² .K)						RHG	
		LT%	LR%		ET%	ER%	European				American				European		American				W/m ²	
			Ext	Int			EN410				NFRC*				EN673		NFRC*					
							g - value		SC		SHGC		SC				Winter		Summer			
Coating	Substrate	1	2	3	4	5	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
Extra Clear		31	28	14	21	32	26	25	0.30	0.29	24	24	0.28	0.28	1.75	1.52	1.77	1.81	1.76	1.52	190	
NN30T		35	24	13	24	30	29	29	0.33	0.33	26	26	0.31	0.31	1.74	1.51	1.77	1.81	1.76	1.52	209	
NN35T		40	22	14	27	28	32	32	0.37	0.37	30	30	0.35	0.35	1.74	1.51	1.77	1.81	1.75	1.52	234	
NN40T		49	19	12	33	27	38	38	0.44	0.44	36	36	0.41	0.41	1.72	1.48	1.75	1.79	1.73	1.49	272	
NN50T		53	17	10	38	23	44	44	0.51	0.51	41	41	0.48	0.48	1.79	1.57	1.81	1.84	1.80	1.58	317	
NN60T		60	14	10	42	23	48	48	0.55	0.55	44	44	0.51	0.51	1.76	1.53	1.78	1.82	1.77	1.54	335	
NN65T																						
Clear		29	27	14	19	27	25	24	0.28	0.28	22	22	0.26	0.26	1.76	1.54	1.79	1.83	1.78	1.55	178	
NN30T		34	23	13	22	26	28	28	0.32	0.32	25	25	0.29	0.29	1.80	1.58	1.82	1.85	1.81	1.59	197	
NN35T		39	21	13	25	24	31	30	0.35	0.35	28	28	0.33	0.33	1.73	1.50	1.76	1.80	1.75	1.51	222	
NN40T		48	19	12	31	24	37	36	0.42	0.42	34	34	0.39	0.39	1.72	1.49	1.75	1.79	1.73	1.49	259	
NN50T		52	18	10	36	20	42	42	0.48	0.48	39	39	0.45	0.45	1.80	1.58	1.82	1.85	1.81	1.59	298	
NN60T		59	14	10	40	19	46	46	0.53	0.53	42	42	0.49	0.49	1.78	1.55	1.80	1.83	1.79	1.56	323	
NN65T																						
Green		25	21	15	13	13	19	19	0.22	0.21	17	17	0.20	0.20	1.77	1.54	1.79	1.83	1.78	1.55	140	
NN30T		29	17	13	15	12	21	20	0.24	0.24	19	19	0.22	0.22	1.75	1.51	1.77	1.81	1.76	1.52	152	
NN35T		33	16	13	17	11	23	23	0.27	0.26	21	21	0.24	0.24	1.74	1.51	1.77	1.81	1.75	1.52	165	
NN40T		40	16	12	21	11	27	27	0.31	0.31	24	24	0.28	0.28	1.76	1.53	1.79	1.82	1.78	1.54	190	
NN50T		43	14	10	23	10	30	29	0.34	0.33	26	26	0.30	0.30	1.81	1.58	1.82	1.85	1.82	1.59	203	
NN60T		51	12	10	27	10	33	33	0.38	0.38	29	29	0.34	0.34	1.78	1.55	1.80	1.83	1.79	1.56	228	
NN65T																						

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

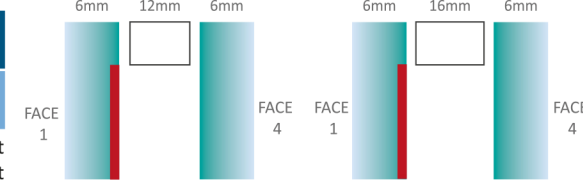
USA - NFRC 100

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.



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		LT%	LR%		ET%	ER%	European				American				European		American				W/m ²	
			Ext	Int			EN410				NFRC*				EN673		NFRC*					
							g - value		SC		SHGC		SC				Winter		Summer			
Coating	Substrate	1	2	3	4	5	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
		Bronze		18	12	14	12	13	19	18	0.21	0.21	17	17	0.20	0.20	1.76	1.53	1.78	1.82	1.77	1.54
Bronze		20	11	13	13	13	20	19	0.23	0.22	18	18	0.21	0.21	1.74	1.51	1.77	1.81	1.75	1.52	146	
Bronze		24	10	13	15	12	22	21	0.25	0.24	20	20	0.23	0.23	1.71	1.48	1.75	1.79	1.72	1.48	158	
Bronze		29	10	11	19	12	25	25	0.29	0.28	23	23	0.27	0.27	1.72	1.48	1.75	1.79	1.73	1.49	184	
Bronze		31	9	9	21	11	28	27	0.32	0.31	26	26	0.30	0.30	1.79	1.56	1.81	1.84	1.80	1.57	203	
Bronze		36	8	9	24	10	31	30	0.36	0.35	28	28	0.33	0.33	1.78	1.55	1.80	1.83	1.79	1.56	222	
Grey		15	10	14	10	11	17	16	0.20	0.19	15	15	0.18	0.18	1.75	1.52	1.78	1.82	1.77	1.53	127	
Grey		17	9	13	12	11	18	18	0.21	0.20	16	16	0.19	0.19	1.74	1.51	1.77	1.81	1.75	1.52	133	
Grey		20	8	13	13	11	20	19	0.23	0.22	18	18	0.21	0.21	1.73	1.49	1.76	1.80	1.74	1.50	146	
Grey		24	8	11	16	10	23	22	0.27	0.26	21	21	0.24	0.24	1.72	1.49	1.76	1.80	1.74	1.50	165	
Grey		26	7	9	19	9	26	25	0.30	0.29	23	23	0.27	0.27	1.78	1.56	1.80	1.84	1.80	1.57	184	
Grey		31	7	9	22	9	29	29	0.34	0.33	27	27	0.31	0.31	1.82	1.60	1.83	1.86	1.83	1.61	210	
Blue		19	14	15	14	15	20	19	0.23	0.22	18	18	0.21	0.21	1.75	1.52	1.78	1.82	1.77	1.53	146	
Blue		22	12	13	15	15	22	21	0.25	0.24	19	19	0.23	0.23	1.75	1.52	1.78	1.82	1.77	1.53	159	
Blue		25	12	14	17	14	24	23	0.27	0.26	21	21	0.25	0.25	1.74	1.50	1.77	1.80	1.74	1.51	171	
Blue		30	11	11	21	13	27	27	0.31	0.31	25	25	0.29	0.29	1.76	1.53	1.78	1.82	1.77	1.54	197	
Blue		32	10	9	23	12	30	30	0.35	0.34	27	27	0.32	0.32	1.82	1.60	1.83	1.86	1.83	1.61	216	
Blue		39	9	9	28	12	35	35	0.40	0.40	32	32	0.37	0.37	1.78	1.55	1.80	1.83	1.79	1.56	247	

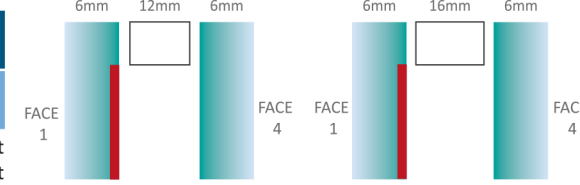
MEASUREMENTS - INPUT DATA - Measurements are done at Emirates Glass Laboratory using Perkin Elmer spectrophotometers comprising "Spectrum on FT-IR" for measurement of surface emissivity and "LAMDA 900 UV/Vis/NIR" for measurement of spectral transmission. Input data are given in accordance with boundary 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

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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.



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			Ext	Int			EN410				NFRC*				EN673		NFRC*				
							g - value		SC		SHGC		SC				Winter		Summer		
Coating	Substrate	1	2	3	4	5	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	20
		Bluegreen		22	16	14	11	11	18	17	0.21	0.20	15	15	0.18	0.18	1.78	1.55	1.80	1.83	1.79
24	13			13	13	10	19	18	0.22	0.21	17	17	0.19	0.19	1.74	1.51	1.77	1.81	1.76	1.52	134
28	12			13	14	9	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
34	12			12	18	9	24	23	0.28	0.27	21	21	0.24	0.24	1.73	1.50	1.76	1.80	1.75	1.51	165
36	10			9	20	9	27	26	0.31	0.30	24	24	0.28	0.28	1.78	1.55	1.80	1.83	1.79	1.56	191
41	9			9	23	8	29	29	0.34	0.33	26	26	0.30	0.30	1.78	1.55	1.80	1.83	1.79	1.56	203
Azurlite		23	18	14	11	10	17	17	0.20	0.19	15	15	0.17	0.17	1.74	1.51	1.77	1.81	1.75	1.52	121
		27	16	12	13	10	19	19	0.22	0.21	16	16	0.19	0.19	1.75	1.52	1.78	1.81	1.76	1.53	134
		30	14	13	14	9	21	20	0.24	0.23	17	17	0.20	0.20	1.73	1.50	1.76	1.80	1.75	1.51	140
		36	13	12	17	9	23	23	0.27	0.26	20	20	0.23	0.23	1.71	1.48	1.75	1.79	1.73	1.49	159
		39	12	9	19	8	26	25	0.30	0.29	22	22	0.25	0.25	1.79	1.57	1.81	1.84	1.80	1.58	172
		47	11	10	23	8	29	29	0.34	0.33	25	25	0.29	0.29	1.79	1.57	1.81	1.84	1.80	1.57	197
Caribia		24	19	14	11	11	18	17	0.20	0.19	15	15	0.18	0.18	1.75	1.52	1.78	1.81	1.76	1.53	127
		26	17	13	13	10	19	18	0.22	0.21	16	16	0.19	0.19	1.75	1.52	1.78	1.81	1.76	1.53	134
		30	15	13	14	9	21	20	0.24	0.23	18	18	0.21	0.21	1.75	1.51	1.77	1.81	1.76	1.52	146
		37	15	11	17	9	24	23	0.27	0.27	20	20	0.24	0.24	1.75	1.52	1.78	1.82	1.77	1.53	165
		38	13	10	18	8	25	24	0.29	0.28	21	21	0.25	0.25	1.80	1.58	1.82	1.85	1.82	1.59	172
		45	11	10	22	8	28	27	0.32	0.31	24	24	0.28	0.28	1.78	1.56	1.80	1.84	1.80	1.57	191

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.

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