

PRODUCT DESCRIPTION		Visible Light			Solar Energy										U-Values (W/m ² .K)						RHG W/m ²		
		LT%	LR%		ET%	ER%	European				American				European		American						
			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	20
		Solite Zircon 50/29	Extra Clear	50	12	12	28	34	33	32	0.37	0.37	29	29	0.34	0.34	1.61	1.36	1.66	1.71	1.61	1.35	227
Clear	49		12	12	27	29	32	32	0.37	0.36	28	28	0.33	0.33	1.61	1.36	1.67	1.71	1.62	1.36	221		
Green	40		11	13	19	11	25	24	0.29	0.28	21	21	0.25	0.25	1.63	1.38	1.68	1.72	1.63	1.38	170		
Bronze	28		8	13	16	14	22	21	0.25	0.24	19	19	0.22	0.22	1.63	1.38	1.68	1.72	1.63	1.38	151		
Grey	25		7	12	15	12	21	20	0.24	0.23	18	18	0.21	0.21	1.63	1.38	1.68	1.72	1.63	1.38	145		
Blue	33		7	12	20	14	25	25	0.29	0.28	22	22	0.25	0.25	1.61	1.36	1.67	1.71	1.62	1.36	170		
Bluegreen	32		8	12	16	9	22	22	0.26	0.25	19	19	0.22	0.22	1.63	1.38	1.68	1.72	1.64	1.38	152		
Azurlite	36		10	12	17	9	23	22	0.26	0.25	19	19	0.22	0.22	1.64	1.40	1.69	1.73	1.65	1.40	152		
Caribia	37	11	13	17	9	23	22	0.26	0.25	20	20	0.23	0.23	1.62	1.37	1.68	1.72	1.63	1.37	158			
Solite Oceana 44/26	Extra Clear	44	20	16	25	39	29	29	0.33	0.33	26	26	0.30	0.30	1.63	1.38	1.68	1.72	1.64	1.38	202		
	Clear	43	19	16	24	31	28	28	0.33	0.32	25	25	0.29	0.29	1.63	1.38	1.68	1.72	1.63	1.38	196		
	Green	37	15	15	17	11	23	22	0.26	0.26	20	20	0.23	0.23	1.59	1.34	1.65	1.70	1.60	1.34	158		
	Bronze	25	10	16	14	15	20	19	0.23	0.22	17	17	0.20	0.20	1.58	1.33	1.64	1.69	1.59	1.32	139		
	Grey	22	8	14	13	12	19	18	0.22	0.21	17	17	0.20	0.20	1.60	1.35	1.66	1.70	1.60	1.34	139		
	Blue	28	11	16	17	17	22	21	0.25	0.25	19	19	0.22	0.22	1.58	1.32	1.64	1.68	1.58	1.31	151		
	Bluegreen	30	11	15	15	10	21	20	0.24	0.23	18	18	0.21	0.21	1.60	1.35	1.66	1.71	1.61	1.35	145		
	Azurlite	34	15	16	16	10	22	21	0.25	0.24	18	18	0.21	0.21	1.59	1.34	1.65	1.70	1.60	1.34	145		
Caribia	35	15	16	16	10	22	21	0.25	0.24	18	18	0.21	0.21	1.58	1.33	1.65	1.69	1.59	1.33	145			

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°)

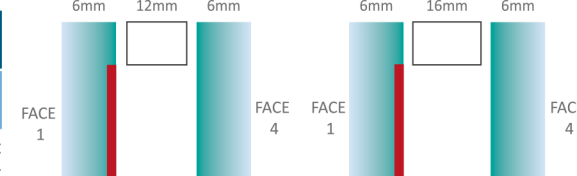
Thermal Insulation : U-Values are calculated according to:

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				
			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
		Solite Mistral 47/29	Extra Clear	47	19	14	28	38	32	32	0.37	0.36	29	29	0.33	0.33	1.59	1.34	1.65	1.70	1.59
Clear	44		17	16	25	27	30	29	0.35	0.34	27	27	0.31	0.31	1.59	1.34	1.65	1.70	1.59	1.34	208
Green	38		14	14	18	10	24	23	0.27	0.26	20	20	0.24	0.24	1.59	1.34	1.65	1.70	1.59	1.33	164
Bronze	26		9	13	15	14	21	20	0.24	0.23	18	18	0.21	0.21	1.59	1.34	1.65	1.70	1.60	1.34	145
Grey	24		7	12	14	12	20	19	0.23	0.22	18	18	0.21	0.21	1.60	1.35	1.66	1.70	1.60	1.34	145
Blue	29		9	13	17	15	23	22	0.26	0.25	20	20	0.23	0.23	1.59	1.34	1.65	1.70	1.60	1.34	158
Bluegreen	30		10	13	15	10	21	20	0.24	0.23	18	18	0.21	0.21	1.61	1.36	1.67	1.71	1.65	1.36	145
Azurlite	35		13	14	16	9	22	21	0.25	0.24	18	18	0.21	0.21	1.60	1.35	1.66	1.71	1.61	1.35	145
Caribia	36	13	14	16	9	22	22	0.26	0.25	19	19	0.22	0.22	1.59	1.34	1.65	1.69	1.59	1.33	151	
Solite Ciel 45/24	Extra Clear	45	21	15	24	44	27	27	0.31	0.31	24	24	0.28	0.28	1.58	1.33	1.64	1.69	1.59	1.32	189
	Clear	44	18	16	23	34	27	27	0.31	0.31	24	24	0.28	0.28	1.57	1.32	1.63	1.68	1.57	1.31	189
	Green	36	14	15	16	11	21	21	0.25	0.24	18	18	0.21	0.21	1.57	1.31	1.63	1.68	1.57	1.31	145
	Bronze	27	10	15	14	16	19	18	0.22	0.21	17	17	0.20	0.20	1.57	1.32	1.63	1.68	1.57	1.31	138
	Grey	21	7	15	11	13	17	16	0.20	0.19	15	15	0.18	0.18	1.58	1.32	1.64	1.69	1.58	1.32	126
	Blue	28	10	15	15	17	20	20	0.23	0.23	17	17	0.20	0.20	1.57	1.32	1.63	1.68	1.57	1.31	138
	Bluegreen	31	11	14	15	11	21	20	0.24	0.23	18	18	0.21	0.21	1.63	1.38	1.68	1.72	1.63	1.38	145
	Azurlite	34	14	15	15	11	21	20	0.24	0.23	17	17	0.20	0.20	1.57	1.32	1.64	1.68	1.57	1.31	138
Caribia	35	15	16	15	11	21	20	0.24	0.23	18	18	0.21	0.21	1.58	1.33	1.65	1.69	1.59	1.33	145	

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Thermal Insulation : U-Values are calculated according to:

EUROPE - EN 673

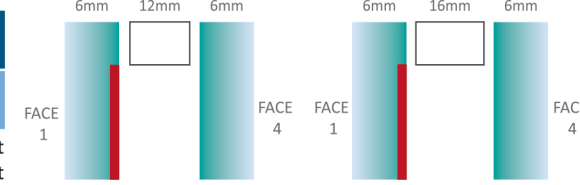
USA - NFRC 100

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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	NFRC
		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
Solite Neutre 71/42	Extra Clear	71	10	11	42	32	47	47	0.54	0.54	42	42	0.49	0.49	1.65	1.41	1.70	1.74	1.66	1.41	322
	Clear	69	10	11	38	28	43	43	0.49	0.49	38	38	0.45	0.45	1.65	1.40	1.70	1.74	1.66	1.41	297
	Green	59	8	10	29	10	34	34	0.39	0.39	30	30	0.35	0.35	1.63	1.38	1.68	1.72	1.64	1.38	234
	Bronze	42	6	9	24	13	30	30	0.35	0.34	27	27	0.31	0.31	1.67	1.42	1.71	1.75	1.68	1.43	209
	Grey	36	6	9	22	11	28	27	0.32	0.31	25	25	0.29	0.29	1.65	1.41	1.70	1.74	1.66	1.41	196
	Blue	46	7	10	28	15	34	34	0.39	0.39	30	30	0.35	0.35	1.64	1.40	1.70	1.74	1.65	1.40	234
	Bluegreen	48	7	10	24	8	30	30	0.35	0.34	26	26	0.31	0.31	1.65	1.41	1.70	1.74	1.66	1.42	208
	Azurlite	54	8	10	25	7	31	30	0.35	0.35	26	26	0.30	0.30	1.66	1.42	1.71	1.75	1.67	1.42	202
	Caribia	53	8	10	25	7	30	30	0.35	0.34	26	26	0.30	0.30	1.62	1.37	1.68	1.72	1.63	1.37	202
Solite Jar	Clear	35	10	14	20	26	25	24	0.28	0.28	21	21	0.25	0.25	1.59	1.34	1.65	1.69	1.59	1.33	170

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