



# Knowledge

- ◆ **Daylight** – is the product's visible light transmission as a percentage.
- ◆ **Solar** – is the solar heat gain coefficient (SHGC). The lower the number, the better the performance.
- ◆ **Insulation** – is the product's U Value. The lower the number the better performance.

## How to use these tables

### Performance comparison chart

To assist with selecting Viridian products we have developed a performance comparison arranged into three tables:

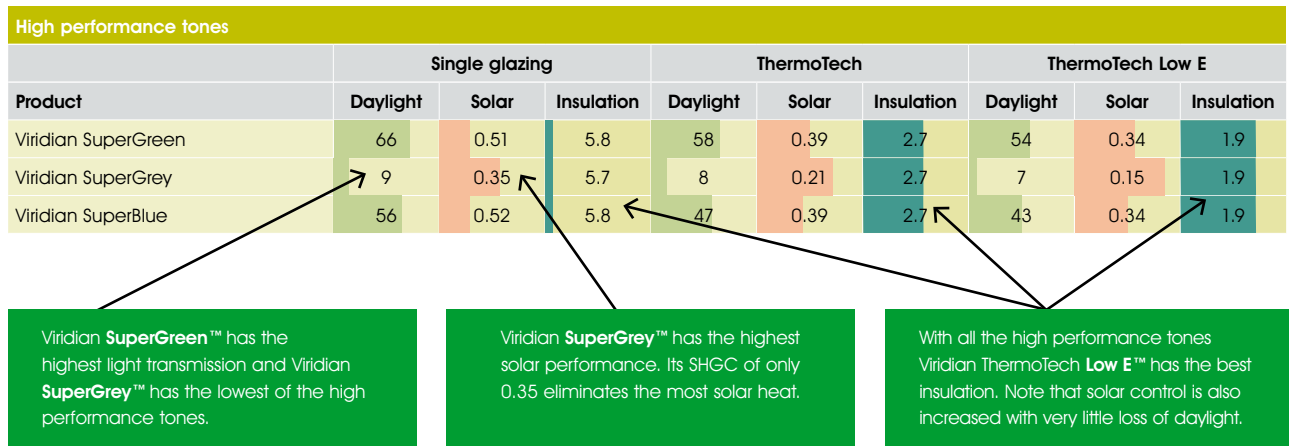
- ◆ Viridian single glazing
- ◆ ThermoTech
- ◆ ThermoTech + Low E

These have been divided into three categories that shows by coloured bars the product's performance in relation to:

- ◆ Daylight transmission
- ◆ Solar control
- ◆ Insulation

These characteristics, along with colour and reflectivity, are the key performance attributes. Additional functions such as safety, security and noise attenuation can also be added to all glass types.

The number in the bar is the actual performance.



### Explanation of performance data tables

The following chart is an extract from the performance data table. The information is for the standard stock items in the Viridian Australia range. Not all manufactured or custom options have been included.

Product Name	Nominal Thickness	Visible		Solar		UV Trans.	U Value		Shading Co.	SHGC	Max Size*	Weight m <sup>2</sup>
		Trans.	Refl.	Trans.	Refl.		Air	Argon				
SuperBlue	6+12+6	47	8	27	6	17	2.7	2.5	0.46	0.39	4500 x 2700	30
	1	2	3	4	5	6	7	8	9	10	11	

**Note** Data is based on laboratory spectrophotometric measurements and reduced using Windows software for NFRC 100-2001 conditions, which is the internationally recognised method for describing glass performance. The data is glass only and care should be exercised when evaluating manufacturer's published data that the same environmental conditions have been used.

- Product name** – refer to product for more information. Where (#2) appears, this identifies the glass' coated surface that is glazed to the inside of a building or the inside of a ThermoTech unit.
- Nominal thickness** – the glass thickness or the makeup of a ThermoTech unit. The first number is the outer glass thickness, +12mm gap, then the thickness of the inner panel of the unit. Thickness tolerances are:  
3-6mm (±0.2mm)    8-12mm (±0.3mm)  
15mm (±0.5mm)    19mm (±1.0mm)
- Visible light transmission** – percentage of visible light passing directly through the glass. The wave length range for visible light is 380 to 780nm. The higher the percentage the more daylight.
- Visible light reflection** – percentage of visible light reflected toward the exterior.
- Solar transmission** – percentage of normally incident visible light and solar energy passing directly through the glazing. The wave lengths measured for solar energy is 300 to 2500nm.
- Solar reflection** – percentage of normally incident visible light and solar energy reflected toward the exterior.
- UV transmission** – the percentage of UV light transmitted measured in the light range of 300–380nm. The lower the number the better .
- U Value** – measurement unit is watts per m<sup>2</sup> per degree celcius (W/m<sup>2</sup>°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.
- Shading coefficient** – the ratio of solar heat gain through the glass relative to that through 3mm clear glass. The lower the number the better the performance.
- SHGC (Solar Heat Gain Coefficient)** - the proportion of total solar radiation that is transferred through the glass at normal incidence. It comprises the direct solar transmission (5) and the part of the solar absorption dissipated inwards by radiation and convection. The lower the number the better the solar performance.
- Maximum size** – is the maximum size manufactured and is not the maximum size that can be glazed or available as a further processed product. These sizes may not be stock items and availability should be checked. The weight is in kg/m<sup>2</sup>

Performance comparison chart										
Product	Single Glazing			ThermoTech			ThermoTech Low E			
	Daylight	Solar	Insulation	Daylight	Solar	Insulation	Daylight	Solar	Insulation	
<b>VFloat™</b>										
Clear	87	0.81	5.8	78	0.70	2.7	73	0.66	1.9	
Grey	42	0.60	5.8	37	0.48	2.7	35	0.43	1.9	
Green	76	0.60	5.8	68	0.48	2.7	63	0.43	1.9	
Bronze	50	0.62	5.8	45	0.49	2.7	41	0.44	1.9	
<b>High Performance Tones</b>										
SuperGreen	66	0.51	5.8	58	0.39	2.7	54	0.34	1.9	
SuperGrey	9	0.35	5.7	8	0.21	2.7	7	0.15	1.9	
SuperBlue	53	0.52	5.8	47	0.39	2.7	43	0.34	1.9	
<b>ComfortPlus™</b>										
Grey 40	40	0.50	3.6	–	–	–	–	–	–	
Green 71	71	0.50	3.6	–	–	–	–	–	–	
Clear 82	82	0.68	3.6	–	–	–	–	–	–	
Neutral 59	59	0.51	3.6	52	0.43	1.9	49	0.41	1.7	
Grey 37	37	0.41	3.6	32	0.33	1.9	30	0.31	1.7	
SuperGreen 49	49	0.37	3.6	43	0.29	1.8	41	0.28	1.7	
SuperBlue 44	44	0.38	3.6	39	0.30	1.9	36	0.28	1.7	
<b>EnviroShield Reflective™</b>										
TS21 on Clear	20	0.30	4.9	18	0.22	2.4	17	0.19	1.9	
TS30 on Clear	29	0.38	5.3	26	0.28	2.5	25	0.25	1.9	
SS22 on Clear	20	0.32	5.0	18	0.23	2.4	17	0.20	1.9	
SS08 on Clear	8	0.20	4.5	7	0.14	2.3	7	0.11	1.8	
TS21 on Green	18	0.29	4.9	16	0.20	2.4	15	0.16	1.9	
TS30 on Green	25	0.36	5.3	23	0.24	2.5	22	0.20	1.9	
SS22 on Green	17	0.30	5.0	16	0.20	2.4	15	0.17	1.9	
TS21 on Grey	10	0.29	4.9	9	0.18	2.4	8	0.15	1.9	
TS30 on Grey	14	0.33	5.3	12	0.22	2.6	12	0.18	1.9	
SS22 on Grey	9	0.30	5.0	8	0.19	2.4	8	0.16	1.9	
SL20 Grey	13	0.35	5.8	8	0.22	2.7	8	0.17	1.9	
SL20 Bronze	15	0.36	5.8	11	0.23	2.7	10	0.18	1.9	
SL20 Green	23	0.38	5.8	15	0.24	2.7	14	0.20	1.9	
SL20 Coolblue	24	0.38	5.8	15	0.25	2.7	14	0.21	1.9	
SL20 Silver	26	0.37	5.8	18	0.25	2.7	17	0.21	1.9	
<b>EVantage™</b>										
Grey	32	0.41	3.8	29	0.33	1.9	27	0.31	1.7	
Bronze	38	0.45	3.8	34	0.38	1.9	32	0.36	1.7	
BlueGreen	56	0.45	3.8	51	0.38	1.9	48	0.36	1.7	
Clear	67	0.62	3.8	60	0.55	1.9	56	0.53	1.7	
SuperGreen	48	0.36	3.8	43	0.29	1.9	40	0.27	1.7	
SuperBlue	39	0.36	3.8	35	0.29	1.9	33	0.27	1.7	
<b>EnviroShield Performance™</b>										
ITO Clear 74	74	0.53	3.6	66	0.45	1.8	61	0.43	1.7	
ITO Green 67	67	0.44	3.6	60	0.37	1.8	56	0.35	1.7	
ITO Neutral 54	54	0.43	3.6	48	0.35	1.8	45	0.33	1.7	
ITO Grey 33	33	0.35	3.6	30	0.27	1.8	28	0.26	1.7	
ITO SuperGreen 45	45	0.33	3.6	40	0.26	1.8	37	0.24	1.7	
ITO SuperBlue 40	40	0.34	3.6	36	0.26	1.8	33	0.24	1.7	
<b>Sunergy™</b>										
Clear	69	0.61	4.2	61	0.53	2.1	57	0.50	1.8	
Clear	68	0.59	4.1	60	0.51	2.1	56	0.49	1.8	
Clear	67	0.58	4.1	59	0.45	2.1	55	0.47	1.8	
Clear	66	0.57	4.1	55	0.49	2.1	55	0.46	1.8	
Green	56	0.42	4.1	49	0.33	2.1	46	0.31	1.8	
Azur	56	0.44	4.1	49	0.35	2.1	46	0.33	1.8	

# Viridian single glazing

Product Name	Nominal Thickness	Visible		Solar		UV Trans	U Value	Shading Co.	SHGC	Max Size	Weight m <sup>2</sup>
		Trans.	Refl.	Trans.	Refl.						
<b>Viridian VFloat™</b>											
Clear	3	89	8	83	7	71	5.9	0.99	0.86	4600 x 2860	7.5
	4	89	8	81	7	67	5.9	0.97	0.84	4600 x 2860	10
	5	88	8	79	7	64	5.8	0.96	0.83	4600 x 3120	12.5
	6	87	7	77	7	61	5.8	0.94	0.81	5100 x 3120	15
	8	86	7	73	6	56	5.7	0.91	0.79	5100 x 3120	20
	10	85	7	68	6	51	5.6	0.88	0.76	5100 x 3120	25
	12	84	7	61	6	48	5.6	0.82	0.71	5100 x 3120	30
	15	82	7	59	6	45	5.5	0.81	0.70	4600 x 3210	37.5
Grey	4	80	7	55	6	41	5.4	0.78	0.67	4600 x 3210	47.5
	4	56	6	57	5	35	5.9	0.78	0.68	4600 x 2860	10
	5	48	5	51	5	31	5.8	0.74	0.64	4600 x 3120	12.5
	6	42	5	45	5	26	5.8	0.69	0.60	4600 x 3120	15
Green	10	27	5	28	4	12	5.6	0.57	0.49	4600 x 3120	25
	12	19	4	23	4	10	5.6	0.53	0.46	4600 x 3120	30
	4	81	7	55	6	38	5.9	0.77	0.67	4600 x 3120	10
Bronze	5	79	7	49	5	34	5.8	0.73	0.63	4600 x 3120	12.5
	6	76	7	45	5	29	5.8	0.70	0.60	4600 x 3120	15
	10	63	6	28	5	14	5.6	0.57	0.49	4600 x 3120	25
Bronze	4	60	6	59	6	30	5.9	0.80	0.69	4600 x 2860	10
	5	55	6	52	5	23	5.8	0.75	0.65	4600 x 3120	12.5
	6	50	5	47	5	19	5.8	0.71	0.62	4600 x 3120	15
10	30	4	29	4	7	5.6	0.58	0.49	4600 x 3120	25	
<b>Viridian ComfortSave™</b>											
Clear (#2)	4	82	10	68	10	55	3.7	0.82	0.71	3300 x 2440	10
Clear (#2)	6	82	10	66	10	49	3.7	0.81	0.70	3300 x 2440	15
Neutral (#2)	4	61	7	48	8	48	3.7	0.64	0.55	3300 x 2440	10
Neutral (#2)	6	60	7	46	7	46	3.7	0.62	0.54	3300 x 2440	15
<b>Viridian ComfortPlus™</b>											
Neutral 59 (#4)	6.38	59	7	42	7	<1	3.6	0.60	0.51	3300 x 2440	15.4
Grey 40 (#4)	6.38	40	6	40	7	<1	3.6	0.58	0.50	3300 x 2440	15.4
Green 71 (#4)	6.38	71	9	41	7	<1	3.6	0.59	0.50	3300 x 2440	15.4
Clear 82 (#4)	6.38	82	10	64	9	<1	3.6	0.79	0.68	3300 x 2440	15.4
Neutral 59 (#4)	8.38	59	7	42	6	<1	3.6	0.59	0.51	3300 x 2440	20.4
Green 49 (#4)	8.38	72	9	42	6	<1	3.6	0.59	0.51	3660 x 2440	20.4
Grey 37 (#4)	8.38	37	5	29	5	<1	3.6	0.48	0.41	3300 x 2440	20.4
SuperGreen 49 (#4)	8.38	49	7	24	6	<1	3.6	0.43	0.37	3300 x 2440	20.4
SuperBlue 44 (#4)	8.38	44	6	25	5	<1	3.6	0.44	0.38	3300 x 2440	20.4
<b>Viridian VLam™</b>											
Clear	6.38	86	8	72	7	<1	5.7	0.91	0.79	4280 x 2760	15.4
	6.76	86	8	71	7	<1	5.7	0.90	0.78	4280 x 2760	15.8
	7.52	86	8	70	6	<1	5.6	0.89	0.77	4280 x 2760	16.6
Grey	6.38	42	5	47	5	<1	5.7	0.71	0.61	4280 x 2760	15.4
Bronze	6.38	48	5	48	5	<1	5.7	0.72	0.62	3660 x 2440	15.4
BlueGreen	6.38	70	6	63	6	<1	5.7	0.83	0.72	4280 x 2760	15.4
Translucent	6.38	55	6	48	5	<1	5.7	0.72	0.62	4280 x 2760	15.4
SuperGreen	6.38	67	8	33	6	<1	5.7	0.60	0.52	3660 x 2440	15.4
<b>Viridian VFloat SuperClear™</b>											
VFloat SuperClear	4	92	8	91	8	85	5.8	1.04	0.89	3210 x 2150	10
	6	91	8	90	8	84	5.7	1.03	0.89	3210 x 2150	15
	10	91	8	88	8	81	5.6	1.01	0.87	3210 x 2150	25
	12	91	8	87	8	79	5.6	1.00	0.86	3210 x 2150	30
	15	90	8	85	7	77	5.4	1.00	0.87	3210 x 2150	37.5
<b>Viridian High Performance Tones</b>											
SuperGreen	3	78	8	51	6	25	5.9	0.74	0.64	4600 x 3210	10
	4	73	8	42	6	16	5.9	0.67	0.58	4600 x 3120	10
	5	73	8	42	6	19	5.8	0.67	0.58	4600 x 3120	12.5
	6	66	8	33	6	14	5.8	0.60	0.51	4600 x 3120	15
SuperGrey	4	17	4	14	4	4	5.8	0.46	0.39	5100 x 3300	10
	6	9	4	8	4	1	5.7	0.41	0.35	5100 x 3300	15
SuperBlue	4	65	6	45	5	31	5.8	0.69	0.60	5100 x 3300	10
	6	53	6	33	5	20	5.8	0.60	0.52	5100 x 3300	15
<b>Viridian EnviroShield™ Reflective</b>											
TS21 on Clear (#2)	6	20	22	14	21	7	4.9	0.36	0.30	3660 x 2140	15
TS30 on Clear (#2)	6	29	17	21	16	11	5.3	0.44	0.38	3660 x 2140	15
SS22 on Clear (#2)	6	20	24	16	20	11	5.0	0.38	0.32	3660 x 2140	15
SS08 on Clear (#2)	6	8	42	6	33	4	4.5	0.24	0.20	3660 x 2140	15
TS21 on Green (#2)	6	18	18	9	12	4	4.9	0.35	0.29	3660 x 2140	15
TS30 on Green (#2)	6	25	14	13	10	6	5.3	0.41	0.36	3660 x 2140	15
SS22 on Green (#2)	6	17	20	10	12	5	5.0	0.36	0.30	3660 x 2140	15
TS21 on Grey (#2)	6	10	9	7	10	2	4.9	0.34	0.29	3660 x 2140	15
TS30 on Grey (#2)	6	14	8	11	8	4	5.3	0.39	0.33	3660 x 2140	15
SS22 on Grey (#2)	6	9	9	8	9	3	5.0	0.35	0.30	3660 x 2140	15
SS22 on Clear (#2)	6.38	25	26	19	25	<1	5.8	0.42	0.36	3660 x 2140	15.4
TS30 on Clear (#2)	6.38	33	19	23	20	<1	5.8	0.47	0.41	3660 x 2140	15.4
TS21 on Clear (#2)	6.38	24	23	16	26	<1	5.8	0.39	0.33	3660 x 2140	15.4
SL20 Grey (#3)	6.38	13	11	13	14	<1	5.8	0.42	0.35	3660 x 2140	15.4
SL20 Bronze (#3)	6.38	15	13	14	15	<1	5.8	0.42	0.36	3660 x 2140	15.4
SL20 Green (#3)	6.38	23	19	19	19	<1	5.8	0.44	0.38	3660 x 2140	15.4
SL20 Coolblue (#3)	6.38	24	20	20	20	<1	5.8	0.45	0.38	3660 x 2140	15.4
SL20 Silver (#3)	6.38	26	26	20	24	<1	5.8	0.43	0.37	3660 x 2140	15.4

# Viridian single glazing

Product Name	Nominal Thickness	Visible		Solar		UV Trans	U Value	Shading Co.	SHGC	Max Size	Weight m <sup>2</sup>
		Trans.	Refl.	Trans.	Refl.						
<b>Viridian EVantage™</b>											
Grey (#2)	6	32	10	29	8	10	3.8	0.48	0.41	5100 x 3300	15
Bronze (#2)	6	38	11	35	10	11	3.8	0.53	0.45	5100 x 3300	15
BlueGreen (#2)	6	56	19	35	11	16	3.8	0.53	0.45	5100 x 3300	15
Clear (#2)	6	67	25	58	19	30	3.8	0.72	0.62	5100 x 3300	15
SuperGreen (#2)	6	48	15	23	8	7	3.8	0.43	0.36	5100 x 3300	15
SuperBlue (#2)	6	39	12	23	8	10	3.8	0.42	0.36	5100 x 3300	15
<b>Viridian Low E Glass</b>											
EnergyTech (#2)	4	82	10	68	10	55	3.7	0.82	0.71	5100 x 3210	10
	6	82	10	66	10	49	3.7	0.81	0.70	5100 x 3210	15
<b>Viridian EnviroShield™ Performance</b>											
ITO Clear 74 (#4)	8.76	74	9	44	6	<1	3.6	0.62	0.53	3300 x 2440	20.8
ITO Green 67 (#4)	8.76	67	8	33	6	<1	3.6	0.52	0.44	3300 x 2440	20.8
ITO Neutral 54 (#4)	8.76	54	7	31	5	<1	3.6	0.50	0.43	3300 x 2440	20.8
ITO Grey 33 (#4)	8.76	33	5	21	5	<1	3.6	0.41	0.35	3300 x 2440	20.8
ITO SuperGreen 45 (#4)	8.76	45	7	19	6	<1	3.6	0.39	0.33	3300 x 2440	20.8
ITO SuperBlue 40 (#4)	8.76	40	6	19	5	<1	3.6	0.40	0.34	3300 x 2440	20.8
XIR Clear 71	6.76	71	8	35	24	<1	5.6	0.55	0.47	4280 x 1980	15.8
XIR Clear 70	12.76	70	8	32	19	<1	5.5	0.55	0.47	4280 x 1980	30.8
XIR EnergyTech 62 (#4)	12.76	62	9	29	20	<1	3.7	0.45	0.39	4280 x 1980	30.8
XIR Sunergy 54 (#4)	12.76	54	8	25	19	<1	4.0	0.43	0.37	4280 x 1980	30.8
XIR Blue 57	12.76	57	7	22	19	<1	5.5	0.47	0.40	4280 x 1980	30.8
XIR Green 53	12.76	53	7	20	19	<1	5.5	0.46	0.39	4280 x 1980	30.8
XIR Bronze 41	12.76	41	7	20	19	<1	5.5	0.46	0.39	3660 x 1980	30.8
XIR Grey 34	12.76	34	6	17	18	<1	5.5	0.44	0.37	4280 x 1980	30.8
<b>Viridian Renew™ Laminates</b>											
Clear (#1)	6.38	81	15	70	11	<1	5.7	0.87	0.76	3300 x 2440	15.4
Grey (#1)	6.38	40	12	46	10	<1	5.7	0.68	0.59	3300 x 2440	15.4
Bronze (#1)	6.38	48	12	48	10	<1	5.7	0.70	0.61	3300 x 2440	15.4
BlueGreen (#1)	6.38	66	14	60	11	<1	5.7	0.79	0.68	3300 x 2440	15.4
SuperGreen (#1)	7.38	67	14	37	10	<1	5.7	0.62	0.53	3300 x 2440	17.9
<b>OptiView™ Laminate</b>											
OptiView	6.38	92	1.7	70	3	<1	4.6	0.89	0.77	3300 x 2400	15.4
	12.38	90	1.6	63	3	<1	4.4	0.83	0.72	3300 x 2400	30.4
<b>Sunergy™</b>											
Clear (#2)	4	69	9	54	10	49	4.2	0.70	0.61	3210 x 5100	10
Clear (#2)	6	68	9	52	10	46	4.1	0.69	0.59	3210 x 5100	15
Clear (#2)	8	67	9	50	9	43	4.1	0.68	0.58	3210 x 5100	20
Clear (#2)	10	66	8	48	9	40	4.1	0.66	0.57	3210 x 5100	25
Green (#2)	6	56	7	28	6	16	4.1	0.49	0.42	3210 x 5100	15
Azur (#2)	6	56	7	31	6	25	4.1	0.52	0.44	3210 x 4500	15
<b>Sunergy™ Laminate</b>											
Clear (#4)	6.38	67	9	49	8	<1	4.1	0.67	0.58	2440 x 3210	15.4
Light Green (#4)	6.38	55	7	42	8	<1	4.1	0.61	0.52	2440 x 3210	15.4
Grey (#4)	6.38	32	5	30	7	<1	4.1	0.51	0.44	2440 x 3210	15.4
Bronze (#4)	6.38	40	6	33	7	<1	4.1	0.54	0.46	2440 x 3210	15.4
Blue (#4)	6.38	59	8	45	8	<1	4.1	0.64	0.55	2440 x 3210	15.4
Clear (#4)	8.38	67	9	48	8	<1	4.1	0.66	0.57	3210 x 5100	20.4
Clear (#4)	10.38	66	9	46	8	<1	4.0	0.64	0.55	3210 x 5100	25.4
Green (#4)	10.38	54	7	26	6	<1	4.0	0.48	0.41	3210 x 5100	25.4
Azur (#4)	10.38	54	7	28	6	<1	4.0	0.50	0.43	3210 x 4500	25.4

For the most up-to-date information, please visit our website. Typical measured values of Viridian production are provided. All performance data is calculated using LBL Windows 5.2 software, NFRC 100 - 2001 conditions have been used. The Ultraviolet spectrum is from 300nm to 380nm Product Name - Where # appears, ie (#2), this identifies the position of the coated surface of the glass. Under certain light conditions a small degree of haze may be apparent. Glass surfaces are counted from the exterior to the interior of the building. Nominal Thickness - The glass thickness or the makeup of a ThermoTech unit. The first number is the outer glass thickness, +12 is the width of the gap, then the thickness of the inner panel of the unit. Thickness tolerances are: 3-6mm (±0.2mm); 8-12mm (±0.3mm); 15mm (±0.5mm); 19mm (±1.0mm). Visible Light Transmission - Percentage of visible light passing directly through the glass. The wave length range for visible light is 380 to 780nm. The higher the percentage the more daylight. Visible Light Reflection - Percentage of visible light reflected toward the exterior. Solar Transmission - Percentage of normally incident visible light and solar energy passing directly through the glazing. The wave lengths measured for solar energy is 300 to 2500nm. Solar Reflection - Percentage of normally incident visible light and solar energy reflected toward the exterior. UV Transmission - The percentage of UV light transmitted measured in the light range of 300-380nm. The lower the number the better. U Value - Measurement unit is watts per m<sup>2</sup> per degree celcius (W/m<sup>2</sup>°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air. Shading Coefficient - The ratio of solar heat gain through the glass relative to that through 3mm clear glass. The lower the number the better the performance. SHGC (Solar Heat Gain Coefficient) - The proportion of total solar radiation that is transferred through the glass at normal incidence, it comprises the direct solar transmission (5) and the part of the solar absorption dissipated inwards by radiation and convection. The lower the number the better the solar performance. Maximum Size - Is the maximum size manufactured and is not the maximum size that can be glazed or available as a further processed product. These sizes may not be stock items and availability should be checked. The weight is in kg/m<sup>2</sup>. ™ is a trademark of Viridian.

# Viridian ThermoTech insulating glass units

Product Name	Nominal Thickness	Visible		Solar		UV Trans.	U Value		Shading Co.	SHGC	Max Size*	Weight m <sup>2</sup>
		Trans.	Refl.	Trans.	Refl.		Air	Argon				
<b>Viridian VFloat™</b>												
Clear	3+12+3	80	14	69	12	56	2.7	2.6	0.87	0.76	2440 x 1220	15
	4+12+4	80	14	66	12	52	2.7	2.6	0.85	0.74	2440 x 1400	20
	5+12+5	79	14	63	11	45	2.7	2.5	0.83	0.72	2540 x 1840	25
	6+12+6	78	14	60	11	45	2.7	2.5	0.81	0.70	4500 x 2700	30
	8+12+6	77	13	57	10	42	2.7	2.5	0.78	0.67	4500 x 2700	35
	10+12+6	76	13	54	9	39	2.6	2.5	0.74	0.64	4500 x 2700	40
Grey	12+12+6	75	13	49	9	37	2.6	2.5	0.69	0.60	4500 x 2700	45
	4+12+4	49	8	46	8	29	2.7	2.6	0.65	0.57	2440 x 1400	20
	5+12+5	42	7	39	7	24	2.7	2.5	0.60	0.52	2540 x 1840	25
	6+12+6	37	7	35	6	20	2.7	2.5	0.55	0.48	4500 x 2700	30
	10+12+6	24	5	22	5	10	2.6	2.5	0.42	0.36	4500 x 2700	40
Green	12+12+6	17	4	18	5	8	2.6	2.5	0.38	0.33	4500 x 2700	45
	4+12+4	73	12	46	8	31	2.7	2.5	0.65	0.56	2440 x 1400	20
	5+12+5	70	12	38	7	28	2.7	2.5	0.58	0.50	2540 x 1840	25
	6+12+6	68	11	37	7	23	2.7	2.5	0.56	0.48	4500 x 2700	30
Bronze	10+12+6	56	9	24	6	11	2.6	2.5	0.43	0.37	4500 x 2700	40
	4+12+4	53	8	48	8	25	2.7	2.5	0.67	0.58	2440 x 1400	20
	5+12+5	47	8	41	7	18	2.7	2.5	0.61	0.53	2540 x 1840	25
	6+12+6	45	7	36	6	16	2.7	2.5	0.57	0.49	4500 x 2700	30
10+12+6	27	5	48	5	6	2.6	2.5	0.42	0.37	4500 x 2700	40	
<b>Viridian VLam™</b>												
Clear	6.38+12+6	76	13	57	10	<1	2.7	2.5	0.77	0.67	4280 x 2700	30.4
Grey	6.38+12+6	36	6	35	7	<1	2.7	2.5	0.56	0.49	4280 x 2700	30.4
Bronze	6.38+12+6	42	7	37	7	<1	2.7	2.5	0.58	0.50	3660 x 2440	30.4
SuperBlue	6.38+12+6	62	10	49	9	<1	2.7	2.5	0.69	0.60	3660 x 2440	30.4
Translucent	6.38+12+6	48	8	37	7	<1	2.7	2.5	0.58	0.50	4280 x 2700	30.4
SuperGreen	6.38+12+6	59	11	28	7	<1	2.7	2.5	0.46	0.40	4280 x 2700	30.4
<b>Viridian High Performance Tones</b>												
SuperGreen	4+12+4	65	12	36	8	13	2.7	2.6	0.54	0.47	2440 x 1400	20
	5+12+5	64	12	35	8	15	2.7	2.5	0.53	0.46	2540 x 1840	25
	6+12+6	58	11	27	7	11	2.7	2.5	0.46	0.39	4500 x 2700	30
VFloat Supergrey	4+12+4	15	4	11	4	3	2.7	2.6	0.30	0.26	2440 x 1400	20
	6+12+6	8	4	6	4	1	2.7	2.5	0.25	0.21	4500 x 2700	30
SuperBlue	4+12+4	58	10	38	7	26	2.7	2.6	0.56	0.48	2440 x 1400	20
	6+12+6	47	8	27	6	17	2.7	2.5	0.46	0.39	4500 x 2700	30
<b>Viridian EnviroShield™ Reflective</b>												
TS21 on Clear (#2)	6+12+6	18	23	11	21	6	2.4	2.2	0.25	0.22	3660 x 2140	30
TS30 on Clear (#2)	6+12+6	26	18	17	17	9	2.5	2.3	0.33	0.28	3660 x 2140	30
SS22 on Clear (#2)	6+12+6	18	24	13	20	8	2.4	2.2	0.27	0.23	3660 x 2140	30
SS08 on Clear (#2)	6+12+6	7	42	5	34	3	2.3	2.1	0.16	0.14	3660 x 2140	30
TS21 on Green (#2)	6+12+6	16	18	8	12	3	2.4	2.2	0.23	0.20	3660 x 2140	30
TS30 on Green (#2)	6+12+6	23	15	11	10	5	2.5	2.3	0.28	0.24	3660 x 2140	30
SS22 on Green (#2)	6+12+6	16	20	8	12	4	2.4	2.2	0.24	0.20	3660 x 2140	30
TS21 on Grey (#2)	6+12+6	9	9	6	10	2	2.4	2.2	0.22	0.18	3660 x 2140	30
TS30 on Grey (#2)	6+12+6	12	8	9	8	3	2.6	2.3	0.26	0.22	3660 x 2140	30
SS22 on Grey (#2)	6+12+6	8	9	6	9	3	2.4	2.2	0.22	0.19	3660 x 2140	30
SS22 on Clear (#2)	6.38+12+6	20	26	14	27	<1	2.7	2.5	0.29	0.25	3660 x 2140	30.4
TS30 on Clear (#2)	6.38+12+6	31	18	20	19	<1	2.7	2.5	0.37	0.32	3660 x 2140	30.4
TS21 on Clear (#2)	6.38+12+6	22	24	13	27	<1	2.7	2.5	0.28	0.24	3660 x 2140	30.4
SL20 Grey (#3)	6.38+12+6	8	9	8	10	<1	2.7	2.5	0.26	0.22	3660 x 2140	30.4
SL20 Bronze (#3)	6.38+12+6	11	11	9	12	<1	2.7	2.5	0.27	0.23	3660 x 2140	30.4
SL20 Green (#3)	6.38+12+6	15	17	12	18	<1	2.7	2.5	0.28	0.24	3660 x 2140	30.4
SL20 Coolblue (#3)	6.38+12+6	15	18	12	19	<1	2.7	2.5	0.29	0.25	3660 x 2140	30.4
SL20 Silver (#3)	6.38+12+6	18	23	13	22	<1	2.7	2.5	0.29	0.25	3660 x 2140	30.4
<b>Viridian EVantage™</b>												
Grey (#2)	6+12+6	29	10	23	9	8	1.9	1.7	0.39	0.33	4500 x 2700	30
Bronze (#2)	6+12+6	34	13	28	11	9	1.9	1.7	0.44	0.38	4500 x 2700	30
BlueGreen (#2)	6+12+6	51	21	29	12	13	1.9	1.7	0.44	0.38	4500 x 2700	30
Clear (#2)	6+12+6	60	29	46	21	24	1.9	1.7	0.63	0.55	4500 x 2700	30
SuperGreen (#2)	6+12+6	43	17	20	9	6	1.9	1.7	0.33	0.29	4500 x 2700	30
SuperBlue (#2)	6+12+6	35	13	19	9	9	1.9	1.7	0.33	0.29	4500 x 2700	30

# Viridian ThermoTech insulating glass units

Product Name	Nominal Thickness	Visible		Solar		UV Trans.	U Value		Shading Co.	SHGC	Max Size*	Weight m <sup>2</sup>
		Trans.	Refl.	Trans.	Refl.		Air	Argon				
<b>Viridian ComfortPlus™</b>												
Neutral 59 (#4)	8.38+12+6	52	9	33	8	<1	1.9	1.6	0.50	0.43	3300 x 2440	35.4
Green 49 (#4)	8.38+12+6	64	13	34	8	<1	1.8	1.6	0.50	0.43	3660 x 2440	35.4
Grey 37 (#4)	8.38+12+6	32	6	23	5	<1	1.9	1.6	0.38	0.33	3300 x 2440	35.4
SuperGreen 49 (#4)	8.38+12+6	43	9	20	6	<1	1.8	1.6	0.34	0.29	3300 x 2440	35.4
SuperBlue 44 (#4)	8.38+12+6	39	7	20	6	<1	1.9	1.6	0.35	0.30	3300 x 2440	35.4
<b>Viridian EnviroShield™ Performance</b>												
ITO Clear 74 (#4)	8.76+12+6	66	13	36	8	<1	1.8	1.6	0.52	0.45	3300 x 2440	35.8
ITO Green 67 (#4)	8.76+12+6	60	12	27	7	<1	1.8	1.6	0.42	0.37	3300 x 2440	35.8
ITO Neutral 54 (#4)	8.76+12+6	48	9	25	6	<1	1.8	1.6	0.40	0.35	3300 x 2440	35.8
ITO Grey 33 (#4)	8.76+12+6	30	6	17	5	<1	1.8	1.6	0.31	0.27	3300 x 2440	35.8
ITO SuperGreen 45 (#4)	8.76+12+6	40	8	16	6	<1	1.8	1.6	0.30	0.26	3300 x 2440	35.8
ITO SuperBlue 40 (#4)	8.76+12+6	36	7	16	5	<1	1.8	1.6	0.30	0.26	3300 x 2440	35.8
<b>Viridian Renew™ Laminates</b>												
Clear (#1)	6.38+12+6	72	19	55	15	<1	2.7	2.5	0.75	0.65	3300 x 2440	30.4
Grey (#1)	6.38+12+6	35	13	35	12	<1	2.7	2.5	0.55	0.47	3300 x 2440	30.4
Bronze (#1)	6.38+12+6	42	14	37	12	<1	2.7	2.5	0.56	0.49	3300 x 2440	30.4
BlueGreen (#1)	6.38+12+6	58	17	46	13	<1	2.7	2.5	0.66	0.57	3300 x 2440	30.4
SuperGreen (#1)	7.38+12+6	60	17	31	12	<1	2.7	2.5	0.48	0.42	3300 x 2440	32.9
<b>Sunergy™</b>												
Clear (#2)	4 + 12 + 4	61	12	44	12	39	2.1	1.9	0.61	0.53	4500 x 2700	20
Clear (#2)	6 + 12 + 6	60	12	41	11	34	2.1	1.9	0.59	0.51	4500 x 2700	30
Clear (#2)	8 + 12 + 6	59	12	39	11	32	2.1	1.9	0.57	0.45	4500 x 2700	35
Clear (#2)	10 + 12 + 6	55	12	40	11	33	2.1	1.9	0.56	0.49	4500 x 2700	40
Green (#2)	6 + 12 + 6	49	10	23	7	13	2.1	1.9	0.38	0.33	4500 x 2700	30
Azur (#2)	6 + 12 + 6	49	10	26	7	20	2.1	1.9	0.41	0.35	4500 x 2700	30

For the most up-to-date information, please visit our website. \*Metal Spacer Units are limited to a maximum of 150kg this may effect the maximum size which can be manufactured. Notes – Viridian VFloat clear has been used as the backing glass. Typical measured values of Viridian production are provided. All performance data is calculated using LBL Windows 5.2 software, NFRC 100 - 2001 conditions have been used. The Ultraviolet spectrum is from 300nm to 380nm. Product Name – Where # appears, ie (#2), this identifies the position of the coated surface of the glass. Under certain light conditions a small degree of haze may be apparent. Glass surfaces are counted from the exterior to the interior of the building. Nominal Thickness – The glass thickness or the makeup of a ThermoTech unit. The first number is the outer glass thickness, +12 is the width of the gap, then the thickness of the inner panel of the unit. Thickness tolerances are: 3-6mm (±0.2mm); 8-12mm (±0.3mm); 15mm (±0.5mm); 19mm (±1.0mm). Visible Light Transmission – Percentage of visible light passing directly through the glass. The wave length range for visible light is 380 to 780nm. The higher the percentage the more daylight. Visible Light Reflection – Percentage of visible light reflected toward the exterior. Solar Transmission – Percentage of normally incident visible light and solar energy passing directly through the glazing. The wave lengths measured for solar energy is 300 to 2500nm. Solar Reflection – Percentage of normally incident visible light and solar energy reflected toward the exterior. UV Transmission – The percentage of UV light transmitted measured in the light range of 300-380nm. The lower the number the better. U Value – Measurement unit is watts per m<sup>2</sup> per degree celcius (W/m<sup>2</sup>°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air. Shading Coefficient – The ratio of solar heat gain through the glass relative to that through 3mm clear glass. The lower the number the better the performance. SHGC (Solar Heat Gain Coefficient) – the proportion of total solar radiation that is transferred through the glass at normal incidence, it comprises the direct solar transmission (5) and the part of the solar absorption dissipated inwards by radiation and convection. The lower the number the better the solar performance. Maximum Size – Is the maximum size manufactured and is not the maximum size that can be glazed or available as a further processed product. These sizes may not be stock items and availability should be checked. The weight is in kg/m<sup>2</sup>.



# ThermoTech insulating glass units with Low E

Glass Product	Nominal Thickness	Visible		Solar		UV Trans.	U Value		Shading Co.	SHGC	Max Size*	Weight m <sup>2</sup>
		Trans.	Refl.	Trans.	Refl.		Air	Argon				
<b>Viridian VFloat™</b>												
Clear	3+12+4†	74	17	57	16	44	1.9	1.6	0.81	0.71	2440 x 1220	17.5
	4+12+4†	74	17	56	15	42	1.9	1.6	0.78	0.69	2440 x 1400	20
	5+12+4†	72	17	53	14	39	1.9	1.6	0.76	0.66	2540 x 1400	22.5
	6+12+6†	73	16	52	14	36	1.9	1.6	0.76	0.66	4500 x 2700	30
	8+12+6†	72	16	50	13	34	1.9	1.6	0.73	0.63	4500 x 2700	35
	10+12+6†	70	15	47	12	31	1.9	1.6	0.69	0.6	4500 x 2700	40
Grey	12+12+6†	70	15	43	10	29	1.9	1.6	0.64	0.55	4500 x 2700	45
	4+12+4†	45	9	38	10	23	1.9	1.6	0.59	0.51	2440 x 1400	20
	5+12+4†	40	8	34	9	21	1.9	1.6	0.54	0.47	2440 x 1400	22.5
	6+12+6†	35	7	30	8	16	1.9	1.6	0.49	0.43	4500 x 2700	30
Green	10+12+6†	22	5	18	6	8	1.9	1.6	0.35	0.3	4500 x 2700	40
	12+12+6†	16	5	15	5	6	1.9	1.6	0.31	0.27	4500 x 2700	45
	4+12+4†	67	15	39	10	25	1.9	1.6	0.58	0.51	2440 x 1400	20
Bronze	5+12+4†	65	14	33	8	23	1.9	1.6	0.53	0.46	2440 x 1400	22.5
	6+12+6†	63	13	32	8	19	1.9	1.6	0.5	0.43	4500 x 2700	30
	10+12+6†	52	10	21	6	9	1.9	1.6	0.36	0.31	4500 x 2700	40
Bronze	4+12+4†	49	10	40	10	20	1.9	1.6	0.61	0.53	2440 x 1400	20
	5+12+4†	45	9	35	9	15	1.9	1.6	0.55	0.48	2440 x 1400	22.5
	6+12+6†	41	8	31	8	12	1.9	1.6	0.51	0.44	4500 x 2700	30
	10+12+6†	25	5	19	6	5	1.9	1.6	0.36	0.31	4500 x 2700	40
<b>Viridian VLam™</b>												
Clear	6.38+12+6†	71	19	50	12	<1	1.9	1.6	0.73	0.64	4280 x 2700	30.4
Grey	6.38+12+6†	34	7	31	8	<1	1.9	1.6	0.51	0.44	4280 x 2700	30.4
Bronze	6.38+12+6†	40	8	32	8	<1	1.9	1.6	0.53	0.46	3660 x 2440	30.4
BlueGreen	6.38+12+6†	58	12	42	10	<1	1.9	1.6	0.65	0.56	3660 x 2400	30.4
Translucent	6.38+12+6†	45	9	33	8	<1	1.9	1.6	0.53	0.46	4280 x 2700	30.4
SuperGreen	6.38+12+6†	55	12	24	8	<1	1.9	1.6	0.4	0.35	4280 x 2700	30.4
<b>Viridian High Performance Tones</b>												
SuperGreen	4+12+4†	60	14	31	9	11	1.9	1.6	0.47	0.41	2440 x 1400	20
	5+12+4†	61	14	31	9	13	1.9	1.6	0.48	0.41	2440 x 1400	22.5
	6+12+6†	54	13	24	8	9	1.9	1.6	0.39	0.34	4500 x 2700	30
VFloat Supergrey	4+12+4†	14	4	10	4	2	1.9	1.6	0.24	0.2	2440 x 1400	20
	6+12+6†	7	4	5	4	1	1.9	1.6	0.18	0.15	4500 x 2700	30
SuperBlue	4+12+4†	54	11	32	8	21	1.9	1.6	0.5	0.43	2440 x 1400	20
	6+12+6†	43	9	23	7	13	1.9	1.6	0.39	0.34	4500 x 2700	22.5
<b>Viridian EnviroShield™ Reflective</b>												
TS21 on Clear (#2)	6+12+6†	17	23	10	21	5	1.9	1.6	0.22	0.19	3660 x 2140	30
TS30 on Clear (#2)	6+12+6†	25	18	15	17	7	1.9	1.6	0.29	0.25	3660 x 2140	30
SS22 on Clear (#2)	6+12+6†	17	24	11	20	7	1.9	1.6	0.24	0.20	3660 x 2140	30
SS08 on Clear (#2)	6+12+6†	7	43	5	34	2	1.8	1.6	0.13	0.11	3660 x 2140	30
TS21 on Green (#2)	6+12+6†	15	18	7	12	2	1.9	1.6	0.19	0.16	3660 x 2140	30
TS30 on Green (#2)	6+12+6†	22	15	10	10	4	1.9	1.6	0.23	0.20	3660 x 2140	30
SS22 on Green (#2)	6+12+6†	15	20	7	12	3	1.9	1.6	0.19	0.17	3660 x 2140	30
TS21 on Grey (#2)	6+12+6†	8	9	5	10	2	1.9	1.6	0.17	0.15	3660 x 2140	30
TS30 on Grey (#2)	6+12+6†	12	8	8	8	3	1.9	1.6	0.21	0.18	3660 x 2140	30
SS22 on Grey (#2)	6+12+6†	8	9	6	9	2	1.9	1.6	0.18	0.16	3660 x 2140	30
SS22 on Clear (#2)	6.38+12+6†	19	27	12	27	<1	1.9	1.6	0.25	0.21	3660 x 2140	30.4
TS30 on Clear (#2)	6.38+12+6†	29	18	18	20	<1	1.9	1.6	0.32	0.28	3660 x 2140	30.4
TS21 on Clear (#2)	6.38+12+6†	21	24	12	27	<1	1.9	1.6	0.24	0.21	3660 x 2140	30.4
SL20 Grey (#3)	6.38+12+6†	8	9	7	10	<1	1.9	1.6	0.20	0.17	3660 x 2140	30.4
SL20 Bronze (#3)	6.38+12+6†	10	11	8	12	<1	1.9	1.6	0.22	0.18	3660 x 2140	30.4
SL20 Green (#3)	6.38+12+6†	14	17	10	18	<1	1.9	1.6	0.23	0.20	3660 x 2140	30.4
SL20 Coolblue (#3)	6.38+12+6†	14	18	11	19	<1	1.9	1.6	0.24	0.21	3660 x 2140	30.4
SL20 Silver (#3)	6.38+12+6†	17	23	12	22	<1	1.9	1.6	0.24	0.21	3660 x 2140	30.4

# ThermoTech insulating glass units with Low E

Glass Product	Nominal Thickness	Visible		Solar		UV Trans.	U Value		Shading Co.	SHGC	Max Size*	Weight m <sup>2</sup>
		Trans.	Refl.	Trans.	Refl.		Air	Argon				
<b>Viridian EVantage™</b>												
Grey (#2)	6+12+6 <sup>†</sup>	27	11	20	9	7	1.7	1.5	0.36	0.31	4500 x 2700	30
Bronze (#2)	6+12+6 <sup>†</sup>	32	13	24	11	7	1.7	1.5	0.41	0.36	4500 x 2700	30
BlueGreen (#2)	6+12+6 <sup>†</sup>	48	22	26	13	10	1.7	1.5	0.41	0.36	4500 x 2700	30
Clear (#2)	6+12+6 <sup>†</sup>	56	30	41	22	19	1.7	1.5	0.61	0.53	4500 x 2700	30
SuperGreen (#2)	6+12+6 <sup>†</sup>	40	18	18	9	5	1.7	1.5	0.31	0.27	4500 x 2700	30
SuperBlue (#2)	6+12+6 <sup>†</sup>	33	14	17	9	7	1.7	1.5	0.31	0.27	4500 x 2700	30
<b>Viridian ComfortPlus™</b>												
Neutral 59 (#4)	8.38+12+6 <sup>†</sup>	49	11	31	8	<1	1.7	1.5	0.48	0.41	3300 x 2440	35.4
Green 49 (#4)	8.38+12+6 <sup>†</sup>	60	15	31	9	<1	1.7	1.5	0.48	0.41	3660 x 2440	35.4
Grey 37 (#4)	8.38+12+6 <sup>†</sup>	30	7	21	6	<1	1.7	1.5	0.36	0.31	3300 x 2440	35.4
SuperGreen 49 (#4)	8.38+12+6 <sup>†</sup>	41	10	19	7	<1	1.7	1.5	0.32	0.28	3300 x 2440	35.4
SuperBlue 44 (#4)	8.38+12+6 <sup>†</sup>	36	8	19	6	<1	1.7	1.5	0.33	0.28	3300 x 2440	35.4
<b>Viridian EnviroShield™ Performance</b>												
ITO Clear 74 (#4)	8.76+12+6 <sup>†</sup>	61	15	33	9	<1	1.7	1.5	0.50	0.43	3300 x 2440	35.8
ITO Green 67 (#4)	8.76+12+6 <sup>†</sup>	56	13	26	7	<1	1.7	1.5	0.40	0.35	3300 x 2440	35.8
ITO Neutral 54 (#4)	8.76+12+6 <sup>†</sup>	45	10	23	7	<1	1.7	1.5	0.38	0.33	3300 x 2440	35.8
ITO Grey 33 (#4)	8.76+12+6 <sup>†</sup>	28	6	16	5	<1	1.7	1.5	0.30	0.26	3300 x 2440	35.8
ITO SuperGreen 45 (#4)	8.76+12+6 <sup>†</sup>	37	9	15	6	<1	1.7	1.5	0.28	0.24	3300 x 2440	35.8
ITO SuperBlue 40 (#4)	8.76+12+6 <sup>†</sup>	33	7	15	6	<1	1.7	1.5	0.28	0.24	3300 x 2440	35.8
<b>Viridian Renew™ Laminates</b>												
Clear (#1)	6.38+12+6 <sup>†</sup>	68	22	48	17	<1	1.9	1.6	0.71	0.62	3300 x 2440	30.4
Grey (#1)	6.38+12+6 <sup>†</sup>	33	14	30	13	<1	1.9	1.6	0.50	0.43	3300 x 2440	30.4
Bronze (#1)	6.38+12+6 <sup>†</sup>	39	15	32	13	<1	1.9	1.6	0.52	0.45	3300 x 2440	30.4
BlueGreen (#1)	6.38+12+6 <sup>†</sup>	55	18	41	15	<1	1.9	1.6	0.62	0.54	3300 x 2440	30.4
SuperGreen (#1)	7.38+12+6 <sup>†</sup>	56	19	27	12	<1	1.9	1.6	0.43	0.37	3300 x 2440	32.9
<b>Sunergy™</b>												
Clear (#2)	4+12+4 <sup>†</sup>	57	14	40	13	31	1.8	1.6	0.58	0.50	4500 x 2700	20
Clear (#2)	6+12+6 <sup>†</sup>	56	14	38	12	27	1.8	1.5	0.56	0.49	4500 x 2700	30
Clear (#2)	8+12+6 <sup>†</sup>	55	13	36	12	26	1.8	1.5	0.55	0.47	4500 x 2700	35
Clear (#2)	10+12+6 <sup>†</sup>	55	13	35	11	25	1.8	1.5	0.53	0.46	4500 x 2700	40
Green (#2)	6+12+6 <sup>†</sup>	46	11	21	7	10	1.8	1.5	0.36	0.31	4500 x 2700	30
Azur (#2)	6+12+6 <sup>†</sup>	46	11	24	7	16	1.8	1.5	0.38	0.33	4500 x 2700	30

For the most up-to-date information, please visit our website. \*Metal Spacer Units are limited to a maximum of 150kg this may effect the maximum size which can be manufactured. Typical measured values of Viridian production are provided. All performance data is calculated using LBL Windows 5.2 software, NFRC 100 - 2001 conditions have been used. The Ultraviolet spectrum is from 300nm to 380nm. Product Name - Where # appears, ie (#2), this identifies the position of the coated surface of the glass. †The inside glass is EnergyTech which has a Low E coating facing the insulating gap. Under certain light conditions a small degree of haze may be apparent. Glass surfaces are counted from the exterior to the interior of the building. Nominal Thickness - The glass thickness or the makeup of a ThermoTech unit. The first number is the outer glass thickness, +12 is the width of the gap, then the thickness of the inner panel of the unit. Thickness tolerances are: 3-6mm (±0.2mm); 8-12mm (±0.3mm); 15mm (±0.5mm); 19mm (±1.0mm). Visible Light Transmission - Percentage of visible light passing directly through the glass. The wave length range for visible light is 380 to 780nm. The higher the percentage the more daylight. Visible Light Reflection - Percentage of visible light reflected toward the exterior. Solar Transmission - Percentage of normally incident visible light and solar energy passing directly through the glazing. The wave lengths measured for solar energy is 300 to 2500nm. Solar Reflection - Percentage of normally incident visible light and solar energy reflected toward the exterior. UV Transmission - The percentage of UV light transmitted measured in the light range of 300-380nm. The lower the number the better. U Value - Measurement unit is watts per m<sup>2</sup> per degree celcius (W/m<sup>2</sup>°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air. Shading Coefficient - The ratio of solar heat gain through the glass relative to that through 3mm clear glass. The lower the number the better the performance. SHGC (Solar Heat Gain Coefficient) - the proportion of total solar radiation that is transferred through the glass at normal incidence, it comprises the direct solar transmission (5) and the part of the solar absorption dissipated inwards by radiation and convection. The lower the number the better the solar performance. Maximum Size - Is the maximum size manufactured and is not the maximum size that can be glazed or available as a further processed product. These sizes may not be stock items and availability should be checked. The weight is in kg/m<sup>2</sup>.