



# Knowledge

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

# Energy Management Performance Data

## Performance comparison chart

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

- ◆ Viridian single glazing
- ◆ Insulated Glass Unit
- ◆ Insulated Glass Unit with EnergyTech on surface #3

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

- ◆ Insulation
- ◆ Solar control
- ◆ Daylight transmission

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. Please note all performance data listed is 'glass only' data. For total window performance, please visit [www.wers.net](http://www.wers.net)

Product	Single glazing			Insulated Glass Unit			Insulated Glass Unit with EnergyTech on surface #3		
	Insulation	Solar	Daylight	Insulation	Solar	Daylight	Insulation	Solar	Daylight
Viridian VFloat Grey	5.8	0.58	42	2.5	0.45	37	1.6	0.40	34
Viridian EnergyTech Clear	3.6	0.69	81	1.6	0.61	73	1.5	0.59	67
Viridian EnergyTech Grey	3.7	0.47	40	1.7	0.39	35	1.5	0.37	33

In this selection EnergyTech™ Clear Low E has better insulation, with a lower U Value than VFloat Grey.

In this selection EnergyTech™ Grey has the most effective solar reduction. With an SHGC of 0.47 when single glazed, it eliminates the most solar heat.

In this selection EnergyTech™ Clear has the highest visible light transmission.

Refer to performance data tables for more information and products. Nominal 6mm glass or greater has been used. IGUs are argon gas filled with 12mm width gap.

Product	Single Glazing			Insulated Glass Unit			Insulated Glass Unit with EnergyTech on surface #3		
	Insulation	Solar	Daylight	Insulation	Solar	Daylight	Insulation	Solar	Daylight
<b>VFloat™</b>									
Clear	5.8	0.82	88	2.5	0.71	78	1.6	0.67	73
Bronze N	5.8	0.65	51	2.5	0.50	43	1.6	0.44	40
Green	5.8	0.61	77	2.5	0.50	68	1.6	0.45	63
Grey	5.8	0.58	42	2.5	0.45	37	1.6	0.40	34
<b>High Performance Tones</b>									
SuperGreen	5.8	0.52	67	2.5	0.39	59	1.6	0.35	55
SuperBlue	5.8	0.52	53	2.5	0.39	47	1.6	0.34	43
SuperGrey	5.8	0.35	9	2.5	0.21	8	1.6	0.15	7
<b>EVantage™</b>									
Clear	3.8	0.63	68	1.7	0.56	61	1.5	0.53	57
BlueGreen	3.8	0.45	56	1.7	0.38	51	1.5	0.36	47
Bronze	3.8	0.45	38	1.7	0.38	34	1.5	0.35	32
Grey	3.8	0.41	32	1.7	0.33	29	1.5	0.31	27
SuperGreen	3.8	0.37	49	1.7	0.30	44	1.5	0.27	41
SuperBlue	3.8	0.36	39	1.7	0.29	35	1.5	0.27	33

Performance comparison chart									
	Single Glazing			Insulated Glass Unit			Insulated Glass Unit with EnergyTech on surface #3		
Product	Insulation	Solar	Daylight	Insulation	Solar	Daylight	Insulation	Solar	Daylight
<b>EnergyTech™ &amp; SolTech™</b>									
EnergyTech Clear	3.6	0.69	81	1.6	0.61	73	1.5	0.59	67
SolTech Neutral	3.7	0.53	63	1.6	0.45	56	1.5	0.43	52
EnergyTech Green	3.7	0.49	71	1.6	0.41	63	1.5	0.39	59
EnergyTech Grey	3.7	0.47	40	1.7	0.39	35	1.5	0.37	33
EnergyTech SuperGreen	3.7	0.40	60	1.6	0.32	54	1.5	0.31	50
SolTech Grey	3.7	0.36	30	1.6	0.28	27	1.5	0.27	25
<b>ComfortPlus™</b>									
Clear 82	3.6	0.68	82	1.6	0.60	73	1.5	0.58	68
Translucent	3.6	0.56	62	—	—	—	—	—	—
Neutral 59	3.6	0.51	59	1.6	0.42	53	1.5	0.40	49
Grey 40	3.6	0.50	39	—	—	—	—	—	—
Green 71	3.6	0.50	71	—	—	—	—	—	—
Grey 37	3.6	0.39	37	1.6	0.31	33	1.5	0.30	31
SuperGreen 49	3.6	0.36	49	1.6	0.29	44	1.5	0.27	40
SuperBlue 44	3.6	0.33	35	1.6	0.25	31	1.5	0.23	29
<b>EnviroShield Performance™</b>									
ITO Clear 74	3.6	0.54	75	1.6	0.46	67	1.5	0.44	62
ITO Green 67	3.6	0.45	69	1.6	0.38	61	1.5	0.36	57
ITO Neutral 54	3.6	0.44	56	1.6	0.36	50	1.5	0.34	46
ITO Grey 33	3.6	0.35	35	1.6	0.27	31	1.5	0.25	29
ITO SuperGreen 45	3.6	0.34	46	1.6	0.26	41	1.5	0.25	38
ITO SuperBlue 40	3.6	0.31	34	1.6	0.23	30	1.5	0.21	28
XIR Clear 71	5.7	0.50	73	—	—	—	—	—	—
XIR Clear 70	5.5	0.50	71	—	—	—	—	—	—
XIR EnergyTech 62 (#4)	3.6	0.41	65	—	—	—	—	—	—
<b>PerfomaTech™</b>									
PH01(60)Clr	—	—	—	1.38	0.27	44	—	—	—
PH02(60)Clr	—	—	—	1.38	0.37	66	—	—	—
PH03(60)Clr	—	—	—	1.34	0.41	72	—	—	—
PH04(30)CrystalGry	—	—	—	1.58	0.37	46	—	—	—
PH04(30)SuperClr	—	—	—	1.58	0.52	67	—	—	—
PH05(30)Clr	—	—	—	1.58	0.37	45	—	—	—
PH06(60)Clr	—	—	—	1.38	0.37	70	—	—	—
PH06(60)SuperClr	—	—	—	1.38	0.39	73	—	—	—
PH07(90)Clr	—	—	—	1.34	0.27	64	—	—	—
PH07(90)SuperClr	—	—	—	1.34	0.30	71	—	—	—
PH08(60)Clr	—	—	—	1.30	0.33	68	—	—	—
PH09(90)Clr	—	—	—	1.30	0.20	49	—	—	—
PH10(90)Clr	—	—	—	1.30	0.29	68	—	—	—
PH11(60)Clr	—	—	—	1.30	0.25	51	—	—	—
PH12(30)Clr	—	—	—	1.40	0.56	78	—	—	—
PH13(60)CrystalGry	—	—	—	1.52	0.42	55	—	—	—
PH14(30)CrystalGry	—	—	—	1.52	0.32	42	—	—	—
PH15(60)Clr	—	—	—	1.37	0.34	57	—	—	—
PH15(60)CrystalGry	—	—	—	1.40	0.26	42	—	—	—
PH15(60)EuroGry	—	—	—	1.39	0.22	29	—	—	—

The bar chart diagram is for indication only, for performance data please refer to the glass performance data tables at the end of this document.

# 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		SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
SuperBlue	6+12+6	47	13	8	27	6	17	2.7	2.5	0.39	0.46	30

- |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| 1 | ▲ | 2 | ▲ | 3 | ▲ | 4 | ▲ | 5 | ▲ | 6 | ▲ | 7 | ▲ | 8 | ▲ | 9 | ▲ | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
- 1 **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.
  - 2 **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 ( $\pm 0.2$ mm)      8-12mm ( $\pm 0.3$ mm)  
15mm ( $\pm 0.5$ mm)      19mm ( $\pm 1.0$ mm)
  - 3 **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.
  - 4 **Visible light reflection** – percentage of visible light reflected toward the exterior.
  - 5 **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.
  - 6 **Solar reflection** – percentage of normally incident visible light and solar energy reflected toward the exterior.
  - 7 **UV transmission** – the percentage of UV light transmitted measured in the light range of 300–380nm. The lower the number the better.
  - 8 **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.\*
  - 9 **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.\*
  - 10 **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.

**Note** Data is based on laboratory spectrophotometric measurements and reduced using Windows software for AFRC 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.

\*The published U Value is based on Glass Only and cannot be used for BCA Section J calculations where the total U Value is required.

# Viridian single glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U Value	SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
<b>Viridian VFloat™</b>											
Clear	3	89	8	8	83	8	69	5.9	0.85	0.98	7.5
	4	89	8	8	82	8	67	5.9	0.83	0.98	10
	5	88	8	8	79	7	63	5.9	0.83	0.95	12.5
	6	88	8	8	78	7	60	5.8	0.82	0.95	15
	8	86	8	8	71	7	56	5.7	0.77	0.89	20
	10	85	8	8	67	7	52	5.7	0.75	0.86	25
Clear N	12	84	8	8	64	7	48	5.7	0.72	0.84	30
	15	87	8	8	76	7	59	5.5	0.81	0.93	37.5
	19	86	8	8	72	7	54	5.4	0.79	0.91	47.5
Grey	4	56	6	6	55	6	30	5.9	0.66	0.77	10
	5	47	6	6	47	5	23	5.8	0.61	0.71	12.5
	6	42	5	5	42	5	19	5.8	0.58	0.67	15
Grey N	10	26	4	4	28	4	10	5.7	0.50	0.57	25
	12	21	4	4	25	5	9	5.6	0.47	0.55	30
Green	4	82	8	8	58	6	36	5.9	0.68	0.79	10
	10	63	6	6	29	5	11	5.7	0.49	0.57	25
Green N	5	80	8	8	55	6	33	5.9	0.67	0.77	12.5
	6	76	8	8	47	6	30	5.8	0.62	0.71	15
Bronze	4	61	7	7	60	6	28	5.9	0.70	0.81	10
	5	54	6	6	52	6	22	5.9	0.64	0.74	12.5
	10	34	5	5	36	5	9	5.7	0.54	0.63	25
	12	26	5	5	28	4	6	5.6	0.49	0.57	30
Bronze N	6	51	5	5	52	5	19	5.8	0.65	0.75	15
<b>Viridian VLam™</b>											
Clear	6.38	87	8	8	72	7	<1	5.7	0.78	0.90	15.4
	6.76	86	8	8	71	7	<1	5.7	0.78	0.90	15.8
	7.52	87	8	8	69	7	<1	5.6	0.76	0.88	16.6
	8.38	87	8	8	72	7	<1	5.7	0.78	0.90	20.4
	10.38	86	8	8	66	7	<1	5.6	0.74	0.85	25.4
	12.38	85	8	8	65	7	<1	5.6	0.74	0.85	30.4
Grey	6.38	42	5	5	47	6	<1	5.7	0.61	0.71	15.4
	8.38	41	5	5	46	5	<1	5.7	0.61	0.71	20.4
	10.38	41	5	5	42	5	<1	5.6	0.59	0.67	25.4
	12.38	41	5	5	41	5	<1	5.6	0.58	0.67	30.4
Bronze	6.38	52	6	6	51	6	<1	5.7	0.64	0.74	15.4
	8.38	52	6	6	50	6	<1	5.7	0.64	0.74	20.4
	10.38	51	6	6	46	5	<1	5.7	0.61	0.70	25.4
	12.38	51	6	6	45	5	<1	5.6	0.61	0.70	30.4
Green	6.38	71	7	7	63	6	<1	5.7	0.72	0.83	15.4
	8.38	71	7	7	62	6	<1	5.7	0.72	0.83	20.4
	10.38	70	7	7	57	6	<1	5.6	0.69	0.79	25.4
	12.38	69	7	7	56	6	<1	5.6	0.68	0.78	30.4
Cool Blue	6.38	72	7	7	63	6	<1	5.7	0.72	0.83	15.4
	8.38	71	7	7	62	6	<1	5.7	0.72	0.82	20.4
	10.38	70	7	7	57	6	<1	5.6	0.68	0.78	25.4
	12.38	70	7	7	56	6	<1	5.6	0.68	0.78	30.4
Translucent	6.38	66	7	7	56	6	<1	5.7	0.67	0.78	15.4
	8.38	66	7	7	55	6	<1	5.7	0.67	0.77	20.4
	10.38	64	7	7	51	6	<1	5.6	0.64	0.74	25.4
	12.38	64	6	6	50	6	<1	5.6	0.64	0.73	30.4
SuperGreen	10.38	65	6	6	31	5	<1	5.6	0.51	0.59	25.4
	12.38	64	6	6	30	5	<1	5.6	0.51	0.58	30.4
SuperGreen N	6.38	65	6	6	31	5	<1	5.75	0.51	0.59	15.4
Translucent Grey	6.76	32	5	5	36	5	<1	5.7	0.54	0.63	15.8
<b>Viridian VFloat SuperClear™</b>											
VFloat SuperClear	4	91	10	10	90	9	82	5.3	0.90	1.04	10
	6	91	9	9	89	9	79	5.2	0.89	1.03	15
	10	91	9	9	87	9	76	5.1	0.88	1.01	25
	12	91	9	9	86	9	74	5.1	0.87	1.00	30
	15	90	9	9	84	9	72	5.0	0.86	0.99	37.5
	19	90	10	10	82	9	70	4.9	0.85	0.98	47.5
<b>Viridian High Performance Tones</b>											
SuperGreen	4	73	7	7	42	5	22	5.9	0.58	0.67	10
	5	70	7	7	38	5	18	5.8	0.55	0.64	12.5
SuperGreen N	6	67	6	6	34	5	13	5.8	0.52	0.61	15
SuperGrey	3	77	7	7	50	6	28	5.9	0.64	0.73	7.5
SuperBlue	6	9	4	4	8	4	1	5.8	0.35	0.41	15
SuperBlue	6	53	6	6	33	5	20	5.8	0.52	0.60	15
SuperBlue	10	41	5	5	22	5	13	5.7	0.44	0.52	25

# Viridian single glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U Value	SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
<b>Viridian EVantage™</b>											
Grey (#2)	6	32	10	27	29	8	10	3.8	0.41	0.48	15
Bronze (#2)	6	38	11	27	35	10	11	3.8	0.45	0.53	15
BlueGreen (#2)	6	56	19	27	35	11	16	3.8	0.45	0.53	15
Clear (#2)	6	68	23	26	59	17	30	3.8	0.63	0.73	15
SuperGreen (#2)	6	49	16	27	24	9	8	3.8	0.37	0.43	15
SuperBlue (#2)	6	39	12	27	23	8	10	3.8	0.36	0.43	15
<b>Viridian SmartGlass™</b>											
SP10 Clear – Polaris (#2)	4	83	11	11	68	11	54	3.7	0.72	0.83	10
	6	81	11	12	65	10	48	3.6	0.69	0.80	15
SP30 Neutral – Panoramic (#2)	4	61	8	10	46	8	44	3.7	0.53	0.62	10
	6	63	9	10	45	8	41	3.7	0.53	0.62	15
SP35 Grey – Dusk (#2)	4	50	7	9	45	7	21	3.7	0.53	0.62	10
	6	40	6	9	37	7	16	3.7	0.47	0.55	15
<b>Viridian EnergyTech™</b>											
EnergyTech Clear (#2)	3	83	11	11	71	11	58	3.7	0.73	0.85	7.5
	4	83	11	11	68	11	54	3.7	0.72	0.83	10
	5	82	11	12	67	11	52	3.7	0.70	0.81	12.5
	6	81	11	12	65	10	48	3.6	0.69	0.80	15
EnergyTech Clear (#2)	10	79	11	12	60	9	43	3.6	0.66	0.76	25
EnergyTech Green (#2)	6	71	9	10	39	7	23	3.7	0.49	0.57	15
EnergyTech SuperGreen (#2)	4	68	9	10	37	7	18	3.7	0.47	0.54	10
EnergyTech SuperGreen N (#2)	6	60	8	10	28	6	10	3.7	0.40	0.46	15
EnergyTech Grey (#2)	4	50	7	9	45	7	21	3.7	0.53	0.62	10
	6	40	6	9	37	7	16	3.7	0.47	0.55	15
<b>Viridian SolTech™</b>											
SolTech Neutral (#2)	3	62	8	10	47	8	47	3.7	0.55	0.64	7.5
	4	61	8	10	46	8	44	3.7	0.53	0.62	10
	6	63	9	10	45	8	41	3.7	0.53	0.62	15
	10	60	8	9	40	7	38	3.6	0.50	0.58	25
SolTech Grey (#2)	6	30	5	8	23	6	13	3.7	0.36	0.42	15
<b>Viridian ComfortPlus™</b>											
Neutral 59 (#4)	6.38	59	7	9	42	7	<1	3.6	0.51	0.60	15.4
	8.38	60	8	10	41	7	<1	3.6	0.50	0.58	20.4
	10.38	62	8	10	40	7	<1	3.6	0.49	0.58	25.4
	12.38	61	8	10	39	7	<1	3.5	0.49	0.57	30.4
Grey 40 (#4)	6.38	39	6	9	40	7	<1	3.6	0.50	0.58	15.4
	8.38	39	6	9	38	7	<1	3.6	0.48	0.56	20.4
	10.38	38	6	9	36	6	<1	3.6	0.47	0.54	25.4
	12.38	38	6	9	34	6	<1	3.5	0.45	0.53	30.4
Green 71 (#4)	10.38	65	8	10	32	6	<1	3.6	0.43	0.51	25.4
	12.38	59	8	10	26	5	<1	3.5	0.39	0.46	30.4
Green 71 N (#4)	6.38	70	9	10	39	7	<1	3.64	0.50	0.57	15.4
	6.38	82	10	11	64	9	<1	3.6	0.68	0.79	15.4
	8.38	80	11	11	60	9	<1	3.6	0.66	0.76	20.4
	10.38	79	11	11	58	9	<1	3.6	0.64	0.74	25.4
Clear 82 (#4)	12.38	79	10	11	55	8	<1	3.5	0.62	0.72	30.4
	8.38	37	6	9	27	6	<1	3.6	0.39	0.46	20.4
	10.38	38	6	8	26	6	<1	3.6	0.39	0.46	25.4
	12.38	29	5	8	20	5	<1	3.5	0.34	0.40	30.4
SuperGreen 49 (#4)	8.38	49	7	9	23	5	<1	3.6	0.36	0.43	20.4
	10.38	50	7	9	23	5	<1	3.6	0.37	0.43	25.4
	12.38	46	7	9	19	5	<1	3.5	0.34	0.40	30.4
	10.38	35	6	9	18	5	<1	3.6	0.33	0.38	25.4
SuperBlue 44 (#4)	12.38	36	6	8	18	5	<1	3.6	0.33	0.39	30.4
	6.38	62	8	10	48	7	<1	3.6	0.56	0.65	15.4
Translucent (#4)	10.38	60	8	10	44	7	<1	3.6	0.53	0.62	25.4
<b>Viridian ComfortHush™</b>											
Clear (#4)	6.5	82	10	11	64	9	<1	3.6	0.68	0.79	15.5
	10.5	79	11	11	58	9	<1	3.6	0.64	0.74	25.4
Neutral (#4)	6.5	59	7	9	42	7	<1	3.6	0.51	0.60	15.5
	10.5	62	8	10	40	7	<1	3.6	0.49	0.58	25.4
Grey	6.88	39	6	9	39	6	<1	3.6	0.49	0.57	15.4
<b>Viridian VLam Hush™</b>											
Clear	6.5	87	8	8	72	7	<1	5.7	0.78	0.90	15.5
	8.5	87	8	8	72	7	<1	5.7	0.78	0.90	20.5
	10.5	87	8	8	70	7	<1	5.6	0.77	0.89	25.5
	12.5	87	8	8	69	7	<1	5.5	0.76	0.88	30.5
Grey	6.88	42	5	5	45	5	<1	5.7	0.61	0.70	15.4
<b>Enviroshield™ Performance</b>											
ITO Clear 74 (#4)	8.76	75	10	11	45	7	<1	3.6	0.54	0.63	20.8
	10.76	74	10	11	44	7	<1	3.5	0.53	0.61	25.8
	12.76	73	10	11	42	7	<1	3.5	0.51	0.60	30.8
ITO Green 67 (#4)	8.76	69	9	10	34	6	<1	3.6	0.45	0.53	20.8
	10.76	68	9	11	33	6	<1	3.5	0.44	0.52	25.8
	12.76	64	8	10	28	6	<1	3.5	0.41	0.48	30.8

# Viridian single glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U Value	SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
<b>Enviroshield™ Performance</b>											
ITO Neutral 54 (#4)	8.76	56	8	10	32	6	<1	3.6	0.44	0.51	20.8
	10.76	58	8	9	32	6	<1	3.5	0.44	0.51	25.8
	12.76	57	8	9	31	6	<1	3.5	0.43	0.50	30.8
ITO Grey 33 (#4)	8.76	35	6	9	21	5	<1	3.6	0.35	0.41	20.8
	10.76	36	6	8	21	5	<1	3.5	0.35	0.41	25.8
	12.76	27	5	8	16	5	<1	3.5	0.31	0.37	30.8
ITO SuperGreen 45 (#4)	8.76	46	7	9	19	5	<1	3.6	0.34	0.40	20.8
	10.76	47	7	9	20	5	<1	3.5	0.34	0.40	25.8
	12.76	43	6	9	17	5	<1	3.5	0.33	0.38	30.8
ITO SuperBlue 40 (#4)	12.76	34	6	8	15	5	<1	3.6	0.31	0.36	30.8
XIR Clear 71	6.76	73	7	7	39	23	<1	5.7	0.50	0.58	15.8
XIR Clear 70	12.76	71	7	7	37	21	<1	5.5	0.50	0.58	30.8
XIR EnergyTech 62 (#4)	12.76	65	9	10	32	21	<1	3.5	0.41	0.48	30.8
<b>Renew™ Laminates</b>											
Clear (#1)	6.38	79	18	17	69	14	<1	5.8	0.74	0.85	15.4
Grey (#1)	6.38	38	15	7	45	12	<1	5.7	0.58	0.67	15.4
Bronze (#1)	6.38	48	13	8	48	11	<1	5.7	0.60	0.70	15.4
Green (#1)	6.38	64	17	9	60	13	<1	5.8	0.68	0.78	15.4
SuperGreen (#1)	7.38	64	17	13	35	12	<1	5.7	0.51	0.59	17.9
<b>OptiView™ Laminate</b>											
OptiView	6.38	92	1.7	1.7	70	3	<1	4.6	0.77	0.89	15.4
	12.38	90	1.6	1.6	63	3	<1	4.4	0.72	0.83	30.4

Typical measured values of Viridian production are provided. All performance data is determined– using LBL Windows 5.2 software, NFRC 100-2001 conditions have been used. Product Name – Where # appears, ie (#2), this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building. Nominal Thickness – The glass thickness or the makeup of a Viridian ThermoTech™ unit. The first number is the outer glass thickness, +12 Air is the width of the airspace, then the thickness of the inner panel of the unit. Thickness tolerances are: 3-6mm ( $\pm 0.2\text{mm}$ ); 8-12mm ( $\pm 0.3\text{mm}$ ); 15mm ( $\pm 0.5\text{mm}$ ); 19mm ( $\pm 1.0\text{mm}$ ).

# Viridian ThermoTech™ insulating glass units

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U Value		SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
<b>Viridian VFloat™</b>												
Clear	3+12+3	81	15	15	69	13	53	2.7	2.6	0.75	0.87	15
	4+12+4	80	15	15	69	13	51	2.7	2.6	0.75	0.86	20
	5+12+5	79	15	15	63	12	47	2.7	2.5	0.72	0.83	25
	6+12+6	78	15	15	62	12	44	2.7	2.5	0.71	0.82	30
	8+12+6	77	14	14	57	11	42	2.7	2.5	0.66	0.76	35
	10+12+6	76	14	14	54	10	39	2.7	2.5	0.64	0.73	40
Grey	12+12+6	75	14	14	51	10	37	2.6	2.5	0.61	0.71	45
	4+12+4	50	8	13	46	8	24	2.7	2.6	0.55	0.64	20
	5+12+5	42	7	12	38	7	19	2.7	2.5	0.49	0.57	25
	6+12+6	37	7	12	33	7	15	2.7	2.5	0.45	0.52	30
	10+12+6	24	5	12	24	5	9	2.7	2.5	0.38	0.44	40
Green	12+12+6	19	5	12	20	5	7	2.6	2.5	0.34	0.40	45
	4+12+4	73	13	14	49	9	30	2.7	2.5	0.57	0.66	20
	5+12+5	70	13	14	42	9	25	2.7	2.5	0.52	0.60	25
	6+12+6	68	12	13	39	8	21	2.7	2.5	0.50	0.57	30
Bronze	10+12+6	56	9	13	24	6	9	2.6	2.5	0.37	0.43	40
	4+12+4	55	10	13	50	9	23	2.7	2.5	0.59	0.68	20
	5+12+5	48	8	13	41	7	18	2.7	2.5	0.52	0.61	25
	6+12+6	43	8	12	38	7	15	2.7	2.5	0.50	0.57	30
10+12+6	30	6	12	28	6	7	2.6	2.5	0.41	0.48	40	
<b>Viridian VLam™</b>												
Clear	6.38+12+6	78	15	15	58	12	<1	2.7	2.5	0.67	0.77	30.4
Grey	6.38+12+6	37	7	12	37	7	<1	2.7	2.5	0.49	0.56	30.4
Bronze	6.38+12+6	46	8	13	40	8	<1	2.7	2.5	0.52	0.60	30.4
Green	6.38+12+6	63	11	14	50	9	<1	2.7	2.5	0.60	0.70	30.4
Cool Blue	6.38+12+6	64	11	14	50	9	<1	2.7	2.5	0.60	0.69	30.4
Translucent	6.38+12+6	58	10	13	44	8	<1	2.7	2.5	0.55	0.64	30.4
Soft White	6.38+12+6	70	13	14	50	10	<1	2.7	2.5	0.61	0.70	30.4
SuperGreen	6.38+12+6	57	10	13	26	7	<1	2.7	2.5	0.38	0.44	30.4
Translucent Grey	6.76+12+6	28	6	12	28	6	<1	2.7	2.5	0.41	0.48	30.8
<b>Viridian High Performance Tones</b>												
SuperGreen	4+12+4	65	11	14	36	7	18	2.7	2.6	0.46	0.54	20
	5+12+5	63	11	13	32	7	15	2.7	2.5	0.43	0.50	25
	6+12+6	59	10	13	28	6	10	2.7	2.5	0.39	0.46	30
VFloat Supergrey	6+12+6	8	4	11	6	4	1	2.7	2.5	0.21	0.25	30
SuperBlue	6+12+6	47	8	13	27	6	17	2.7	2.5	0.39	0.46	30
	10+12+6	36	7	12	17	5	10	2.6	2.5	0.31	0.36	40
<b>Viridian EVantage™</b>												
Grey (#2)	6+12+6	29	10	30	24	9	8	2.0	1.7	0.33	0.39	30
Bronze (#2)	6+12+6	34	13	29	28	11	9	2.0	1.7	0.38	0.44	30
BlueGreen (#2)	6+12+6	51	21	30	29	12	13	2.0	1.7	0.38	0.44	30
Clear (#2)	6+12+6	61	27	29	47	20	23	2.0	1.7	0.56	0.64	30
SuperGreen (#2)	6+12+6	44	18	30	21	9	7	2.0	1.7	0.30	0.34	30
SuperBlue (#2)	6+12+6	35	13	30	19	9	8	1.9	1.7	0.29	0.33	30
<b>Viridian EnergyTech™</b>												
EnergyTech Clear (#2)	4+12+4	75	17	18	57	15	41	1.9	1.6	0.64	0.74	20
	6+12+6	73	16	17	52	14	36	1.9	1.6	0.61	0.71	30
	10+12+6	71	16	17	48	12	32	1.9	1.6	0.58	0.66	40
EnergyTech Green (#2)	4+12+4	68	15	17	41	10	25	1.9	1.7	0.49	0.56	20
	6+12+6	63	13	16	33	9	19	1.9	1.6	0.41	0.48	30
EnergyTech SuperGreen (#2)	4+12+4	61	13	17	32	8	15	1.9	1.6	0.39	0.45	20
	6+12+6	54	11	16	24	7	10	1.9	1.6	0.32	0.37	30
EnergyTech Grey (#2)	4+12+4	45	9	15	38	9	18	1.9	1.6	0.46	0.53	20
	6+12+6	35	8	16	29	8	13	1.9	1.7	0.39	0.45	30
<b>Viridian SolTech™</b>												
SolTech Neutral (#2)	4+12+4	55	12	16	38	10	34	1.9	1.6	0.46	0.53	20
	6+12+6	56	12	16	36	10	30	1.9	1.6	0.45	0.52	30
	6+12+6	27	6	12	19	6	10	1.9	1.6	0.28	0.33	30

# Viridian ThermoTech™ insulating glass units

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U Value		SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
<b>Viridian ComfortPlus™</b>												
Clear 82 (#4)	6.38+12+6	73	16	17	51	12	<1	1.9	1.6	0.60	0.69	30.4
Clear 82 (#4)	8.38+12+6	72	16	17	49	12	<1	1.9	1.6	0.58	0.67	35.4
Clear 82 (#4)	10.38+12+6	71	16	17	47	12	<1	1.8	1.6	0.56	0.64	40.4
Clear 82 (#4)	12.38+12+6	70	16	17	45	11	<1	1.8	1.6	0.54	0.62	45.4
Neutral 59 (#4)	8.38+12+6	53	11	16	33	9	<1	1.9	1.6	0.42	0.49	35.4
Grey 37 (#4)	8.38+12+6	33	7	15	22	6	<1	1.9	1.6	0.31	0.36	35.4
SuperGreen 49 (#4)	8.38+12+6	44	9	15	20	6	<1	1.9	1.6	0.29	0.33	35.4
SuperBlue 44 (#4)	10.38+12+6	31	7	15	15	5	<1	1.9	1.6	0.25	0.29	40.4
<b>Viridian ComfortHush™</b>												
Clear (#4)	6.5+12+6	73	16	17	51	12	<1	1.9	1.6	0.60	0.69	30.5
Neutral (#4)	6.5+12+6	53	11	16	33	9	<1	1.9	1.6	0.42	0.49	30.5
<b>Viridian EnviroShield™ Performance</b>												
ITO Clear 74 (#4)	8.76+12+6	67	15	17	37	9	<1	1.9	1.6	0.46	0.53	35.8
ITO Green 67 (#4)	8.76+12+6	61	13	16	29	8	<1	1.9	1.6	0.38	0.43	35.8
ITO Neutral 54 (#4)	8.76+12+6	50	10	16	26	7	<1	1.9	1.6	0.36	0.41	35.8
ITO Grey 33 (#4)	8.76+12+6	31	7	15	17	5	<1	1.9	1.6	0.27	0.31	35.8
ITO SuperGreen 45 (#4)	8.76+12+6	41	8	15	17	5	<1	1.9	1.6	0.26	0.30	35.8
ITO SuperBlue 40 (#4)	12.76+12+6	30	7	15	13	5	<1	1.9	1.6	0.23	0.27	45.8
<b>Viridian Renew™ Laminates</b>												
Clear (#1)	6.38+12+6	70	23	22	55	17	<1	2.7	2.5	0.63	0.73	30.4
Grey (#1)	6.38+12+6	33	17	14	35	14	<1	2.7	2.5	0.46	0.54	30.4
Bronze (#1)	6.38+12+6	43	15	14	37	12	<1	2.7	2.5	0.49	0.56	30.4
Green (#1)	6.38+12+6	57	20	19	47	16	<1	2.7	2.5	0.57	0.66	30.4
SuperGreen (#1)	7.38+12+6	57	20	18	29	13	<1	2.7	2.5	0.40	0.47	32.9

Notes – Viridian VFloat Clear float has been used as the backing (inside) glass of the IGU. Typical measured values of Viridian production are provided. All performance data is determined using LBL Windows 5.2 software, NFRC 100-2001 conditions have been used. Product Name – Where # appears, ie (#2), this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building. Nominal Thickness – The glass thickness or the makeup of a Viridian 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 ( $\pm 0.2\text{mm}$ ); 8-12mm ( $\pm 0.3\text{mm}$ ); 15mm ( $\pm 0.5\text{mm}$ ); 19mm ( $\pm 1.0\text{mm}$ ).

# Viridian PerformaTech™ insulating glass units

Nominal Thickness	Specify Codes	Refl. Colour	Visible			Solar		Selectivity	U Value		SHGC	Shading Co.	Weight m <sup>2</sup>
			Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
6 + 12 + 6	PH01(60)Clr	Blue	44	12	14	22	26	1.63	1.65	1.38	0.27	0.31	30
6 + 12 + 6	PH02(60)Clr	Neutral	66	11	14	32	30	1.78	1.64	1.38	0.37	0.42	30
6 + 12 + 6	PH03(60)Clr	Neutral	72	12	15	36	29	1.76	1.64	1.34	0.41	0.47	30
6 + 12 + 6	PH04(30)CrystalGry	Grey	46	9	10	29	11	1.26	1.86	1.58	0.37	0.42	30
6 + 12 + 6	PH04(30)SuperClr	Grey	67	13	10	48	15	1.29	1.87	1.58	0.52	0.59	30
6 + 12 + 6	PH05(30)Clr	Blue	45	19	11	29	21	1.26	1.84	1.58	0.36	0.41	30
6 + 12 + 6	PH06(60)Clr	Neutral	70	13	13	33	34	1.89	1.64	1.38	0.37	0.43	30
6 + 12 + 6	PH06(60)SuperClr	Neutral	73	13	14	38	41	1.87	1.64	1.38	0.39	0.45	30
6 + 12 + 6	PH07(90)Clr	Grey	64	12	13	24	50	2.37	1.61	1.34	0.27	0.31	30
6 + 12 + 6	PH07(90)SuperClr	Grey	71	13	14	28	53	2.37	1.61	1.34	0.30	0.34	30
6 + 12 + 6	PH08(60)Clr	Clear	68	13	15	29	38	2.06	1.60	1.30	0.33	0.38	30
6 + 12 + 6	PH09(90)Clr	Green	49	18	20	16	41	2.45	1.60	1.30	0.20	0.23	30
6 + 12 + 6	PH10(90)Clr	Clear	68	11	13	26	41	2.34	1.60	1.30	0.29	0.34	30
6 + 12 + 6	PH11(60)Clr	Blue	51	18	22	21	32	2.04	1.60	1.30	0.25	0.29	30
6 + 12 + 6	PH12(30)Clr	Clear	78	12	12	47	25	1.39	1.70	1.40	0.56	0.64	30
6 + 12 + 6	PH13(60)CrystalGry	Grey	55	9	11	39	14	1.31	1.76	1.52	0.42	0.48	30
6 + 12 + 6	PH14(30)CrystalGry	Grey	42	13	11	28	14	1.31	1.74	1.52	0.32	0.37	30
6 + 12 + 6	PH15(60)Clr	Green	57	11	15	28	22	1.68	1.65	1.37	0.34	0.39	30
6 + 12 + 6	PH15(60)CrystalGry	Grey	42	8	14	22	26	1.62	1.64	1.40	0.26	0.30	30
6 + 12 + 6	PH15(60)EuroGry	Grey	29	6	14	15	12	1.32	1.64	1.39	0.22	0.26	30

# Viridian LightBridge™ insulating glass units

Glass Product	Nominal Thickness	Visible			Solar		UV Trans.	U Value		SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
<b>Viridian VFloat™</b>												
LightBridge™ Clear	4+12+4	79	12	12	50	28	37	1.68	1.37	0.58	0.67	20
LightBridge™ Grey	4+12+4	49	7	10	33	15	18	1.68	1.37	0.40	0.46	20
LightBridge™ DecorSatin	4+12+4	79	12	12	50	28	37	1.68	1.37	0.58	0.67	20
LightBridge™ DecorSatin Grey	4+12+4	49	7	10	33	15	18	1.68	1.37	0.40	0.46	20
LightBridge™ Clear + S1	6.38+12+4	78	12	12	46	21	0	1.65	1.36	0.53	0.61	25.4
LightBridge™ Grey + S1	6.38+12+4	37	6	10	27	14	0	1.65	1.36	0.34	0.39	25.4
LightBridge™ Translucent + S1	6.38+12+4	59	9	11	35	15	0	1.65	1.36	0.43	0.49	25.4
LightBridge™ Translucent Grey + S1	7.38+12+4	37	6	10	24	10	0	1.65	1.36	0.32	0.36	17.6
LightBridge™ Clear + S2	6.5+12+4	77	12	12	45	19	0	1.64	1.35	0.53	0.61	25.5
LightBridge™ Grey + S2	7.5+12+4	48	7	11	30	12	0	1.64	1.36	0.43	0.37	28

NOTE The LightBridge range and the performance values shown above are for glazing with coating to surface #3 only.

Typical measured values of Viridian production are provided. All performance data is determined using LBL Windows 5.2 software, NFRC 100-2001 conditions have been used. Outside glass – Outside glass of IGU, where # appears, ie (#2), this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building. Inside glass – Inside glass of IGU, where # appears, ie (#3), this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building. Nominal Thickness – The glass thickness or the makeup of a Viridian 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 ( $\pm 0.2\text{mm}$ ); 8-12mm ( $\pm 0.3\text{mm}$ ); 15mm ( $\pm 0.5\text{mm}$ ); 19mm ( $\pm 1.0\text{mm}$ ).

# Viridian ThermoTech™ insulating glass units with Low E

Glass Product	Nominal Thickness	Visible			Solar		UV Trans.	U Value		SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
<b>Viridian VFloat™</b>												
Clear	3+12+4	75	18	17	58	16	42	1.9	1.6	0.70	0.81	17.5
	4+12+4	74	18	17	57	16	41	1.9	1.6	0.70	0.81	20
	5+12+4	74	17	17	55	15	40	1.9	1.6	0.68	0.78	22.5
	6+12+6	73	17	16	52	15	35	1.9	1.6	0.67	0.77	30
	8+12+6	71	17	16	48	13	34	1.9	1.6	0.62	0.71	35
	10+12+6	70	17	16	46	13	32	1.9	1.6	0.59	0.68	40
	12+12+6	69	16	16	44	12	30	1.9	1.6	0.57	0.65	45
Grey	4+12+4	46	9	15	38	10	20	1.9	1.6	0.50	0.57	20
	5+12+4	39	8	14	32	9	16	1.9	1.6	0.44	0.51	22.5
	6+12+6	34	7	14	27	8	12	1.9	1.6	0.40	0.46	30
	10+12+6	22	5	14	20	6	7	1.9	1.6	0.32	0.37	40
	12+12+6	17	5	14	16	6	6	1.8	1.6	0.28	0.33	45
Green	4+12+4	68	15	16	41	11	24	1.9	1.6	0.52	0.60	20
	5+12+4	66	15	16	37	10	21	1.9	1.6	0.47	0.54	22.5
	6+12+6	63	14	15	33	9	17	1.9	1.6	0.45	0.51	30
	10+12+6	52	11	15	21	7	7	1.9	1.6	0.32	0.36	40
Bronze	4+12+4	51	11	15	41	11	19	1.9	1.6	0.54	0.62	20
	5+12+4	45	9	15	35	9	15	1.9	1.6	0.47	0.55	22.5
	6+12+6	40	8	15	31	9	12	1.9	1.6	0.44	0.51	30
	10+12+6	28	6	14	19	7	6	1.9	1.6	0.36	0.42	40
<b>Viridian VLam™</b>												
Clear	6.38+12+6	72	17	16	50	13	<1	1.9	1.6	0.63	0.73	30.4
Grey	6.38+12+6	34	7	14	30	8	<1	1.9	1.6	0.44	0.51	30.4
Bronze	6.38+12+6	43	9	15	34	9	<1	1.9	1.6	0.47	0.55	30.4
Green	6.38+12+6	59	13	16	42	11	<1	1.9	1.6	0.56	0.65	30.4
Cool Blue	6.38+12+6	59	13	16	42	11	<1	1.9	1.6	0.56	0.64	30.4
Translucent	6.38+12+6	55	12	15	38	10	<1	1.9	1.6	0.51	0.59	30.4
Soft White	6.38+12+6	65	15	16	43	11	<1	1.9	1.6	0.57	0.65	30.4
SuperGreen	6.38+12+6	53	12	15	22	7	<1	1.9	1.6	0.32	0.38	30.4
Translucent Grey	6.76+12+6	26	6	14	23	7	<1	1.9	1.6	0.37	0.42	30.8
<b>Viridian High Performance Tones</b>												
SuperGreen	4+12+4	61	13	15	31	8	15	1.9	1.6	0.41	0.47	20
	5+12+4	59	12	15	28	8	12	1.9	1.6	0.38	0.44	22.5
	6+12+6	55	12	15	24	7	8	1.9	1.6	0.35	0.40	30
VFloat Supergrey	6+12+6	7	4	13	5	4	1	1.9	1.6	0.15	0.18	30
SuperBlue	6+12+6	43	9	15	23	7	13	1.9	1.6	0.34	0.39	30
	10+12+6	34	7	14	16	6	8	1.9	1.6	0.26	0.30	40
<b>Viridian EVantage™ Reflective</b>												
Grey (#2)	6+12+6	27	11	29	20	9	7	1.8	1.5	0.31	0.36	30
Bronze (#2)	6+12+6	32	13	29	24	11	7	1.8	1.5	0.35	0.41	30
BlueGreen (#2)	6+12+6	47	22	28	26	13	10	1.8	1.5	0.36	0.41	30
Clear (#2)	6+12+6	57	29	28	41	21	19	1.8	1.5	0.53	0.61	30
SuperGreen (#2)	6+12+6	41	19	29	18	10	5	1.8	1.5	0.27	0.32	30
SuperBlue (#2)	6+12+6	33	14	29	17	9	7	1.8	1.5	0.27	0.31	30

# Viridian ThermoTech™ insulating glass units with Low E

Glass Product	Nominal Thickness	Visible			Solar		UV Trans.	U Value		SHGC	Shading Co.	Weight m <sup>2</sup>
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
<b>Viridian EnergyTech™</b>												
EnergyTech Clear (#2)	4+12+4	69	19	19	51	16	34	1.8	1.5	0.61	0.71	20
	6+12+6	67	19	19	47	15	29	1.8	1.5	0.59	0.68	30
	10+12+6	65	18	19	43	13	26	1.7	1.5	0.55	0.63	40
EnergyTech Green (#2)	4+12+4	63	17	18	37	11	20	1.8	1.5	0.46	0.53	20
	6+12+6	59	15	18	29	9	15	1.8	1.5	0.39	0.45	30
EnergyTech SuperGreen (#2)	4+12+4	57	14	18	28	9	12	1.8	1.5	0.37	0.43	20
	6+12+6	50	13	18	22	8	8	1.8	1.5	0.31	0.35	30
<b>Viridian SolTech™</b>												
SolTech Neutral (#2)	4+12+4	51	13	18	34	11	28	1.8	1.5	0.44	0.51	20
	6+12+6	52	13	17	32	11	24	1.7	1.5	0.43	0.50	30
SolTech Grey (#2)	6+12+6	25	6	16	17	7	8	1.8	1.5	0.27	0.31	15
<b>Viridian ComfortPlus™</b>												
Clear 82 (#4)	8.38+12+6	67	18	18	43	13	<1	1.7	1.5	0.55	0.64	35.4
Clear 82 (#4)	10.38+12+6	66	18	18	42	13	<1	1.7	1.5	0.54	0.60	40.4
Clear 82 (#4)	12.38+12+6	65	18	18	40	12	<1	1.7	1.5	0.52	0.59	45.4
Neutral 59 (#4)	8.38+12+6	49	13	17	30	9	<1	1.7	1.5	0.40	0.46	35.4
Grey 37 (#4)	8.38+12+6	31	7	17	19	7	<1	1.7	1.5	0.30	0.34	35.4
SuperGreen 49 (#4)	8.38+12+6	40	10	17	18	6	<1	1.7	1.5	0.27	0.31	35.4
SuperBlue 44 (#4)	10.38+12+6	29	7	17	14	6	<1	1.7	1.5	0.23	0.27	40.4
<b>Viridian ComfortHush™</b>												
Clear (#4)	6.5+12+6	68	18	18	45	14	<1	1.7	1.5	0.58	0.66	30.5
Neutral (#4)	6.5+12+6	49	13	17	30	9	<1	1.7	1.5	0.40	0.46	30.5
<b>Viridian EnviroShield™ Performance</b>												
ITO Clear 74 (#4)	8.76+12+6	62	16	18	34	10	<1	1.7	1.5	0.44	0.51	35.8
ITO Green 67 (#4)	8.76+12+6	57	14	18	26	8	<1	1.7	1.5	0.36	0.41	35.8
ITO Neutral 54 (#4)	8.76+12+6	46	11	17	24	7	<1	1.7	1.5	0.34	0.39	35.8
ITO Grey 33 (#4)	8.76+12+6	29	7	17	16	6	<1	1.7	1.5	0.25	0.30	35.8
ITO SuperGreen 45 (#4)	8.76+12+6	38	9	17	15	6	<1	1.7	1.5	0.25	0.28	35.8
ITO SuperBlue 40 (#4)	12.76+12+6	28	7	16	12	5	<1	1.7	1.5	0.21	0.25	40.8
<b>Viridian Renew™ Laminates</b>												
Clear (#1)	6.38+12+6	65	25	22	47	19	<1	1.9	1.6	0.60	0.69	30.4
Grey (#1)	6.38+12+6	31	17	16	29	15	<1	1.9	1.6	0.42	0.49	30.4
Bronze (#1)	6.38+12+6	39	16	16	31	13	<1	1.9	1.6	0.45	0.51	30.4
Green (#1)	6.38+12+6	53	21	20	40	17	<1	1.9	1.6	0.53	0.62	30.4
SuperGreen (#1)	7.38+12+6	53	21	19	25	14	<1	1.9	1.6	0.36	0.41	32.9

Notes – Viridian EnergyTech™ Clear has been used as the backing (inside) glass of the IGU. Typical measured values of Viridian production are provided. All performance data is determined using LBL Windows 5.2 software, NFRC 100-2001 conditions have been used. Product Name – Where # appears, ie (#2), this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building. Nominal Thickness – The glass thickness or the makeup of a Viridian 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 ( $\pm 0.2\text{mm}$ ); 8-12mm ( $\pm 0.3\text{mm}$ ); 15mm ( $\pm 0.5\text{mm}$ ); 19mm ( $\pm 1.0\text{mm}$ ).