

Glass Performance: Insulated Glazing

Viridian ThermoTech™

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
			Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Clear ThermoTech												
VFloat™ Clear	VFloat™ Clear	4+12+4	80	15	15	69	13	51	2.6	0.75	20	1.07
		5+12+5	79	15	15	63	12	47	2.5	0.72	25	1.10
		6+12+6	78	15	15	62	12	44	2.5	0.71	30	1.10
		8+12+6	77	14	14	57	11	42	2.5	0.66	35	1.17
		10+12+6	76	14	14	54	10	39	2.5	0.64	40	1.19
		12+12+6	75	14	14	51	10	37	2.5	0.61	45	1.23
VLam™ Clear	VFloat™ Clear	6.38+12+6	78	15	15	58	12	<1	2.5	0.67	30.4	1.16
ComfortHush™ Clear	VFloat™ Clear	6.5+12+6	72	16	17	50	12	<1	1.6	0.59	30.5	1.22
		10.5+12+6	71	16	17	46	11	<1	1.6	0.55	40.5	1.29
Grey ThermoTech												
VFloat™ Grey	VFloat™ Clear	4+12+4	50	8	13	46	8	24	2.6	0.55	20	0.91
		5+12+5	44	8	13	42	8	21	2.5	0.54	25	0.81
		6+12+6	37	7	12	33	7	15	2.5	0.45	30	0.82
		10+12+6	23	5	12	22	5	8	2.5	0.36	40	0.64
		12+12+6	19	5	12	20	5	7	2.5	0.34	45	0.56
VLam™ Grey	VFloat™ Clear	6.38+12+6	37	7	12	36	7	<1	2.5	0.49	30.4	0.76
SuperGrey™	VFloat™ Clear	6+12+6	8	4	11	6	4	1	2.5	0.21	30	0.38
Green ThermoTech												
VFloat™ Green	VFloat™ Clear	4+12+4	73	13	14	49	9	30	2.6	0.58	20	1.26
		5+12+5	68	12	14	39	8	17	2.5	0.50	25	1.36
		6+12+6	66	12	14	36	8	21	2.5	0.47	30	1.40
		10+12+6	59	10	13	27	6	12	2.5	0.39	40	1.51
VLam™ Green	VFloat™ Clear	6.38+12+6	63	11	14	50	9	<1	2.5	0.61	30.4	1.03
SuperGreen™	VFloat™ Clear	6+12+6	59	10	13	28	6	10	2.5	0.40	30	1.48
VLam™ SuperGreen	VFloat™ Clear	6.38+12+6	57	10	13	25	7	<1	2.5	0.37	30.4	1.54

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
			Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Blue ThermoTech												
SuperBlue™	VFloat™ Clear	6+12+6	47	8	13	27	6	16	2.5	0.39	30	1.21
		10+12+6	36	7	12	18	5	10	2.5	0.32	40	1.13
VLam™ Cool Blue	VFloat™ Clear	6.38+12+6	65	12	14	52	10	<1	2.5	0.63	30.4	1.03
Bronze ThermoTech												
VFloat™ Bronze	VFloat™ Clear	4+12+4	55	10	13	50	9	23	2.5	0.59	20	0.93
		5+12+5	48	8	13	41	7	18	2.5	0.53	25	0.91
		6+12+6	45	8	12	41	7	15	2.5	0.53	30	0.85
		10+12+6	30	6	12	28	6	7	2.5	0.41	40	0.73
		12+12+6	23	5	12	22	5	5	2.5	0.36	45	0.64
VLam™ Bronze	VFloat™ Clear	6.38+12+6	46	8	13	40	8	<1	2.5	0.52	30.4	0.88
Privacy ThermoTech												
VLam™ Translucent	VFloat™ Clear	6.38+12+6	60	11	14	47	9	<1	2.5	0.58	30.4	1.03
VLam™ Translucent Grey	VFloat™ Clear	6.76+12+6	29	6	12	30	6	<1	2.5	0.43	30.8	0.67

Typical measured values of Viridian production are provided

All performance data is determined using LBL window 7.5 software, NFRC 100 - 2010 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.

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 Ultra Violet light transmitted measured in the light range of 300-380nm. The lower the number the smaller the transmission.

U Value – Measurement unit is watts per m2 per degree celcius (W/m2°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.

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.

Glass Performance: Insulated LowE

Viridian ThermoTech™ Low E

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
			Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Clear ThermoTech												
VFloat™ Clear	EnergyTech™ Clear	4+12+4	74	18	17	57	16	41	1.6	0.71	20	1.04
		5+12+4	74	17	17	55	15	40	1.6	0.68	22.5	1.09
		6+12+6	73	17	16	52	15	35	1.6	0.67	30	1.09
		8+12+6	71	17	16	48	13	34	1.6	0.62	35	1.15
		10+12+6	70	17	16	46	13	32	1.6	0.59	40	1.19
		12+12+6	69	16	16	44	12	30	1.6	0.57	45	1.21
VLam™ Clear	EnergyTech™ Clear	6.38+12+6	72	17	16	50	13	<1	1.6	0.74	30.4	0.97
Evantage™ Clear	VFloat™ Clear	6+12+6	61	27	29	47	20	23	1.7	0.56	30	1.09
Evantage™ Clear	EnergyTech™ Clear	6+12+6	57	29	29	41	21	19	1.5	0.54	30	1.06
EnergyTech™ Clear	VFloat™ Clear	4 + 12 + 4	75	17	18	57	15	41	1.6	0.64	20	1.17
		6 + 12 + 6	73	16	17	52	14	36	1.6	0.62	30	1.18
		8 + 12 + 6	72	16	17	52	13	36	1.6	0.62	35	1.16
		10 + 12 + 6	71	16	17	48	12	32	1.6	0.57	40	1.25
		4 + 12 + 4	69	19	19	51	16	34	1.5	0.62	20	1.11
EnergyTech™ Clear	EnergyTech™ Clear	6 + 12 + 6	67	19	19	47	15	29	1.5	0.59	30	1.14
		8 + 12 + 6	67	18	18	47	15	29	1.5	0.59	35	1.14
		10 + 12 + 6	65	18	19	43	13	26	1.5	0.55	40	1.18
Comfort Hush™ Clear	VFloat™ Clear	6.5+12+6	67	18	18	44	14	<1	1.5	0.57	30.5	1.18
		10.5+12+6	66	18	18	41	12	<1	1.5	0.53	40.5	1.25
ComfortPlus™ Clear	VFloat™ Clear	6.38+12+6	73	16	17	51	12	<1	1.6	0.60	30.4	1.22
		8.38+12+6	72	16	17	49	12	<1	1.6	0.58	35.4	1.24
		10.38+12+6	71	16	17	47	11	<1	1.6	0.55	40.4	1.29
		12.38+12+6	70	16	17	45	11	<1	1.6	0.54	45.4	1.30
ComfortPlus™ Clear	EnergyTech™ Clear	6.38+12+6	68	18	18	45	14	<1	1.5	0.58	30.4	1.17
		8.38+12+6	67	18	18	43	13	<1	1.5	0.55	35.4	1.22
		10.38+12+6	65	18	19	41	12	<1	1.5	0.52	40.4	1.25
		12.38+12+6	65	18	18	40	12	<1	1.5	0.51	45.4	1.27
Enviroshield ITO™ Clear	VFloat™ Clear	8.76+12+6	67	15	17	37	9	<1	1.6	0.46	35.8	1.46
Enviroshield ITO™ Clear	EnergyTech™ Clear	8.76+12+6	62	16	18	34	10	<1	1.5	0.44	35.8	1.41
EnergyTech™ SuperClear	SuperClear™	6 + 12 + 6	76	17	18	67	17	53	1.6	0.70	30	1.09
EnergyTech™ SuperClear	EnergyTech™ SuperClear	6 + 12 + 6	70	19	19	60	18	47	1.5	0.67	30	1.04

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
			Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Neutral ThermoTech												
SolTech™ Neutral	VFloat™ Clear	4 + 12 + 4	55	12	16	38	10	34	1.6	0.46	20	1.20
		6 + 12 + 6	56	12	16	36	10	30	1.6	0.45	30	1.24
		10 + 12 + 6	55	11	16	35	10	29	1.6	0.44	40	1.25
SolTech™ Neutral	EnergyTech™ Clear	4 + 12 + 4	51	13	18	34	11	28	1.5	0.44	20	1.16
		6 + 12 + 6	52	13	17	33	11	24	1.5	0.43	30	1.21
		10 + 12 + 6	51	13	17	31	10	23	1.5	0.42	40	1.21
Comfort Hush™ Neutral	VFloat™ Clear	6.5+12+6	49	12	17	31	9	<1	1.5	0.41	30.5	1.20
		10.5+12+6	49	12	17	28	9	<1	1.5	0.38	40.5	1.29
ComfortPlus™ Neutral	VFloat™ Clear	8.38+12+6	53	11	16	33	9	<1	1.6	0.42	35.4	1.26
ComfortPlus™ Neutral	EnergyTech™ Clear	8.38+12+6	49	12	17	30	9	<1	1.5	0.40	35.4	1.23
Enviroshield ITO™ Neutral	VFloat™ Clear	8.76+12+6	50	10	16	26	7	<1	1.6	0.35	35.8	1.43
Enviroshield ITO™ Neutral	EnergyTech™ Clear	8.76+12+6	46	11	17	24	7	<1	1.5	0.33	35.8	1.39
Grey ThermoTech												
VFloat™ Grey	EnergyTech™ Clear	4+12+4	46	9	15	38	10	20	1.6	0.50	20	0.92
		5+12+4	42	8	15	36	9	18	1.6	0.48	22.5	0.88
		6+12+6	34	7	14	27	8	12	1.6	0.40	30	0.85
		10+12+6	21	5	14	18	6	6	1.6	0.30	40	0.70
		12+12+6	17	5	14	16	6	6	1.6	0.28	45	0.61
VLam™ Grey	EnergyTech™ Clear	6.38+12+6	34	7	14	30	8	<1	1.6	0.44	30.4	0.77
Evantage™ Grey	VFloat™ Clear	6+12+6	29	10	30	24	9	8	1.7	0.33	30	0.88
Evantage™ Grey	EnergyTech™ Clear	6+12+6	27	11	29	20	9	7	1.5	0.31	30	0.87
EnergyTech™ Grey	VFloat™ Clear	4 + 12 + 4	45	9	15	38	9	18	1.6	0.45	20	1.00
		6 + 12 + 6	35	8	16	29	8	13	1.7	0.39	30	0.90
EnergyTech™ Grey	EnergyTech™ Clear	4 + 12 + 4	42	10	17	33	10	15	1.5	0.43	20	0.98
		6 + 12 + 6	33	8	17	26	8	10	1.5	0.36	30	0.92
SolTech™ Grey	VFloat™ Clear	6 + 12 + 6	27	6	14	19	6	11	1.6	0.28	30	0.96
SolTech™ Grey	EnergyTech™ Clear	6 + 12 + 6	25	7	16	17	7	8	1.5	0.26	30	0.96
ComfortHush™ Grey	VFloat™ Clear	6.88+12+6	32	8	17	27	8	<1	1.5	0.38	30.9	0.84
		10.88+12+6	31	8	17	24	7	<1	1.5	0.36	40.9	0.86
Enviroshield ITO™ Grey	VFloat™ Clear	8.76+12+6	31	7	15	17	5	<1	1.6	0.26	35.8	1.19
Enviroshield ITO™ Grey	EnergyTech™ Clear	8.76+12+6	29	7	17	16	6	<1	1.5	0.25	35.8	1.16
Supergrey™	EnergyTech™ Clear	6+12+6	7	4	13	5	4	1	1.6	0.14	30	0.50

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
			Trans.	Ref. Out	Ref. In	Trans.	Ref.					
Green ThermoTech												
VFloat™ Green	EnergyTech™ Clear	4+12+4	68	15	16	41	11	24	1.6	0.52	20	1.31
		5+12+4	64	14	16	34	9	14	1.6	0.44	22.5	1.45
		6+12+6	61	14	16	31	9	17	1.6	0.42	30	1.45
		10+12+6	52	11	15	21	7	7	1.6	0.31	40	1.68
VLam™ Green	EnergyTech™ Clear	6.38+12+6	59	13	16	42	11	<1	1.6	0.56	30.4	1.05
Enviroshield ITO™ Green	VFloat™ Clear	8.76+12+6	61	13	16	29	8	<1	1.6	0.37	35.8	1.65
Enviroshield ITO™ Green	EnergyTech™ Clear	8.76+12+6	57	14	18	27	8	<1	1.5	0.35	35.8	1.63
VFloat Super-Green™	EnergyTech™ Clear	6+12+6	55	12	15	24	7	8	1.6	0.34	30	1.62
VLam Super-Green™	EnergyTech™ Clear	6.38+12+6	54	11	15	23	7	<1	1.6	0.33	30.4	1.64
EVantage™ SuperGreen	VFloat™ Clear	6+12+6	44	18	30	21	9	7	1.7	0.29	30	1.52
EVantage™ SuperGreen	EnergyTech™ Clear	6+12+6	41	19	29	18	10	5	1.5	0.27	30	1.52
EnergyTech™ SuperGreen	VFloat™ Clear	6 + 12 + 6	54	11	16	24	7	10	1.6	0.32	30	1.69
EnergyTech™ SuperGreen	EnergyTech™ Clear	6 + 12 + 6	50	13	18	22	8	8	1.5	0.3	30	1.67
Blue ThermoTech												
Vfloat Super-Blue™	EnergyTech™ Clear	6+12+6	43	9	15	23	7	13	1.6	0.33	30	1.30
		10+12+6	34	7	14	16	6	8	1.6	0.25	40	1.36
EVantage™ SuperBlue	VFloat™ Clear	6+12+6	35	13	30	19	9	8	1.7	0.28	30	1.25
EVantage™ SuperBlue	EnergyTech™ Clear	6+12+6	33	14	29	17	9	7	1.5	0.26	30	1.27
Enviroshield ITO™ SuperBlue	VFloat™ Clear	12.76+12+6	30	7	15	13	5	<1	1.6	0.22	45.8	1.36
Enviroshield ITO™ SuperBlue	EnergyTech™ Clear	10.76+12+6	28	7	16	12	5	<1	1.5	0.20	40.8	1.40
EVantage™ Blue-Green	VFloat™ Clear	6+12+6	51	21	30	29	12	13	1.7	0.38	30	1.34
EVantage™ Blue-Green	EnergyTech™ Clear	6+12+6	47	22	29	26	13	10	1.5	0.35	30	1.34
VLam™ Cool Blue	EnergyTech™ Clear	6.38+12+6	60	14	16	44	12	<1	1.6	0.58	30.4	1.03

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
			Trans.	Ref. Out	Ref. In	Trans.	Ref.					
Bronze ThermoTech												
VFloat™ Bronze	EnergyTech™ Clear	4+12+4	51	11	15	41	11	19	1.6	0.54	20	0.94
		5+12+4	45	9	15	35	9	15	1.6	0.47	22.5	0.96
		6+12+6	41	8	15	34	9	12	1.6	0.48	40	0.85
		10+12+6	28	6	14	23	7	6	1.6	0.36	40	0.78
		12+12+6	22	5	14	18	6	4	1.6	0.34	45	0.65
VLam™ Bronze	EnergyTech™ Clear	6.38+12+6	43	9	15	34	9	<1	1.6	0.47	30.4	0.91
EVantage™ Bronze	VFloat™ Clear	6+12+6	32	13	29	24	11	7	1.5	0.35	30	0.91
EVantage™ Bronze	EnergyTech™ Clear	6+12+6	34	13	29	28	11	9	1.7	0.37	30	0.92
Privacy ThermoTech												
VLam™ Translucent	EnergyTech™ Clear	6.38+12+6	56	12	15	40	10	<1	1.6	0.54	30.4	1.04
VLam™ Translucent Grey	EnergyTech™ Clear	6.76+12+6	27	6	14	25	7	<1	1.6	0.44	30.8	0.61
ComfortHush™ Translucent	VFloat™ Clear	6.88+12+6	52	13	18	36	10	<1	1.5	0.48	30.9	1.08
		10.88+12+6	51	12	17	33	10	<1	1.5	0.45	40.9	1.13

Typical measured values of Viridian production are provided

All performance data is determined using LBL window 7.5 software, NFRC 100 - 2010 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.

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 Ultra Violet light transmitted measured in the light range of 300-380nm. The lower the number the smaller the transmission.

U Value – Measurement unit is watts per m2 per degree celcius (W/m2°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.

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.

Glass Performance: LightBridge™

Viridian LightBridge™ Insulating Glass Units

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Viridian LightBridge™											
Clear	4+12+4	80	12	13	54	27	49	1.4	0.60	20	1.33
	5+12+5	80	12	13	52	25	46	1.4	0.58	25	1.38
	6+12+6	79	12	13	51	24	43	1.4	0.57	30	1.39
	8+12+8	77	12	12	46	20	40	1.4	0.53	35	1.45
Light Grey	5+12+5	61	9	11	39	16	28	1.4	0.46	25	1.33
	6+12+6	57	8	11	36	14	25	1.4	0.43	30	1.33
Grey	4+12+4	50	7	11	35	15	23	1.4	0.41	20	1.22
	5+12+5	43	7	10	30	13	18	1.4	0.36	25	1.19
	6+12+6	37	6	10	27	11	15	1.4	0.33	30	1.12
DecorSatin™	4+12+4	80	12	13	54	27	49	1.4	0.60	20	1.33
	6+12+6	79	12	13	51	24	43	1.4	0.57	30	1.39
	8+12+8	77	12	12	46	20	40	1.4	0.53	35	1.45
DecorSatin™ Grey	4+12+4	50	7	11	35	15	23	1.4	0.41	20	1.22
	6+12+6	37	6	10	27	11	15	1.4	0.33	30	1.12

The assembly of this product is protected
 Typical measured values of Viridian production are provided
 All performance data is determined using LBL window 7.5 software, NFRC 100 - 2010 conditions have been used.

- Product Name** – Glass surfaces are counted from the exterior to the interior of the building.
- Nominal Thickness** – The glass thickness or the makeup of a Viridian LightBridge™ 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 m2 per degree celcius (W/m2°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.
- 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.

Glass Performance: LightBridge next™

Viridian LightBridge next™ Insulating Glass Units

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m ²	Selectivity
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Viridian LightBridge next™											
Clear	6.5+12+4	79	12	13	49	20	<1	1.4	0.54	25.5	1.46
	6.5+12+5	79	12	13	48	20	<1	1.4	0.54	28	1.46
	6.5+12+6	78	12	13	48	20	<1	1.4	0.54	30.5	1.44
	8.5+12+8	78	12	12	46	19	<1	1.4	0.54	40.5	1.44
Light Grey	6.88+12+4	53	8	11	35	15	<1	1.4	0.41	25.4	1.29
	6.88+12+5	53	8	11	35	15	<1	1.4	0.41	28.4	1.29
	6.88+12+6	52	8	11	34	15	<1	1.4	0.41	30.9	1.27
Grey	6.88+12+8	52	8	11	33	14	<1	1.4	0.41	40.9	1.27
	6.88+12+4	38	6	10	28	13	<1	1.4	0.35	25.4	1.09
	6.88+12+5	38	6	10	28	13	<1	1.4	0.35	28.4	1.09
	6.88+12+6	38	6	10	28	13	<1	1.4	0.35	30.9	1.09
Grey	6.88+12+8	37	6	10	27	13	<1	1.4	0.35	40.9	1.06

The assembly of this product is protected
 Typical measured values of Viridian production are provided
 All performance data is determined using LBL window 7.5 software, NFRC 100 - 2010 conditions have been used.

- Product Name** – Glass surfaces are counted from the exterior to the interior of the building.
- Nominal Thickness** – The glass thickness or the makeup of a Viridian LightBridge next™ 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 m2 per degree celcius (W/m2°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.
- 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.

Glass Performance: ClimaTech™

Viridian ClimaTech™ Insulating Glass Units

Product Name	Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		U-Value	SHGC	Weight kg/m ²	Selectivity	
				Trans.	Refl. Out	Refl. In	Trans.	Refl.					
Viridian ClimaTech™													
Clear	4mm VFloat™ Clear	4mm ClimaTech™	4+12+4	77	13	13	51	25	50	1.5	0.64	20	1.20
	5mm VFloat™ Clear	5mm ClimaTech™	5+12+5	75	12	12	47	21	44	1.5	0.61	25	1.23
	6mm VFloat™ Clear	6mm ClimaTech™	6+12+6	74	12	12	46	20	41	1.5	0.60	30	1.23
	6mm ClimaTech™	6mm VFloat™ Clear	6+12+6	74	12	12	46	20	41	1.5	0.54	30	1.37
Light Grey	6mm VFloat™ Light Grey	5mm ClimaTech™	6+12+5	53	8	10	33	13	24	1.5	0.45	28	1.18
	6mm VFloat™ Light Grey	6mm ClimaTech™	6+12+6	53	8	10	33	13	24	1.5	0.45	30	1.18
Grey	6mm VFloat™ Grey	5mm ClimaTech™	6+12+5	35	6	10	24	10	14	1.5	0.35	28	1.00
	6mm VFloat™ Grey	6mm ClimaTech™	6+12+6	35	6	9	24	10	14	1.5	0.35	30	1.00
Bronze	6mm VFloat™ Bronze	6mm ClimaTech™	6+12+6	43	7	10	29	13	14	1.5	0.42	30	1.02
Green	6mm VFloat™ Green	6mm ClimaTech™	6+12+6	63	10	11	29	9	19	1.5	0.40	30	1.58
SuperGreen	6mm VFloat™ SuperGreen	6mm ClimaTech™	6+12+6	56	9	10	24	7	10	1.5	0.33	30	1.70
SuperBlue	6mm VFloat™ SuperBlue	6mm ClimaTech™	6+12+6	44	7	10	22	7	15	1.5	0.32	30	1.38

The assembly of this product is protected
 Typical measured values of Viridian production are provided
 All performance data is determined using LBL window 7.5 software, NFRC 100 - 2010 conditions have been used.

Product Name – Glass surfaces are counted from the exterior to the interior of the building.
Nominal Thickness – The glass thickness or the makeup of a Viridian ClimaTech™ 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 m2 per degree celcius (W/m2°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.
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.

Glass Performance: PerformaTech™

Viridian PerformaTech™ Insulating Glass Units

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		U-Value	SHGC	Weight kg/m ²	Selectivity	
			Trans.	Refl. Out	Refl. In	Trans.	Refl.					
PerformaTech Range												
PH08(60)Clr	VFloat™ Clear	6+12+6	68	13	15	29	38	22	1.3	0.34	30	2.00
PH11(60)Clr	VFloat™ Clear	6+12+6	51	18	22	21	32	19	1.3	0.26	30	1.96
PH12(30)Clr	VFloat™ Clear	6+12+6	79	13	12	51	28	43	1.4	0.58	30	1.36

The assembly of this product is protected
 Typical measured values of Viridian production are provided
 All performance data is determined using LBL window 7.5 software, NFRC 100 - 2010 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 PerformaTech™ 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.
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 m2 per degree celcius (W/m2°C) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.
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.