



Performance data tables

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value	SHGC	Weight kg/m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.				
VFloat™ Grey	4	56	6	6	55	6	29	5.9	0.67	10
▲ 1	▲ 2	▲ 3	▲ 4		▲ 5	▲ 6	▲ 7	▲ 8	▲ 9	

- 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 (±0.2mm) 8-12mm (±0.3mm)

15mm (±0.5mm) 19mm (±1.0mm)

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

8. U-Value – Thermal Conductivity – 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.*

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.*

Note: Data is based on laboratory spectrophotometric measurements and reduced using Windows software for AFRC 100-2010 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.



Glass Performance: Single Glazing

Product Name	Nominal Thickness	Trans.	Visible		Solar		UV Trans	U-Value	SHGC	Weight kg/m ²
			Refl. Out	Refl. In	Trans.	Refl.				
Viridian VFloat™										
VFloat™ Clear	3	89	8	8	83	8	69	5.9	0.86	7.5
	4	89	8	8	82	8	67	5.9	0.85	10
	5	89	8	8	79	7	63	5.9	0.83	12.5
	6	88	8	8	78	7	60	5.8	0.82	15
	8	86	8	8	71	7	56	5.7	0.78	20
	10	85	8	8	67	7	52	5.7	0.75	25
	12	84	8	8	64	7	48	5.6	0.73	30
	15	84	8	8	65	7	47	5.5	0.76	37.5
	19	82	8	8	61	6	43	5.4	0.72	47.5
VFloat™ Grey	4	56	6	6	55	6	29	5.9	0.67	10
	5	47	6	6	47	5	23	5.8	0.61	12.5
	6	42	5	5	42	5	19	5.8	0.58	15
	10	27	5	5	31	5	12	5.7	0.51	25
	12	21	4	4	25	5	9	5.6	0.47	30
VFloat™ Green	4	82	8	8	58	6	36	5.9	0.69	10
	5	77	7	7	47	6	20	5.8	0.62	12.5
	6	75	7	7	44	6	26	5.8	0.59	15
	10	66	6	6	31	5	15	5.7	0.52	25
VFloat™ Bronze	4	61	7	7	60	6	28	5.9	0.70	10
	5	56	6	6	57	6	24	5.8	0.69	12.5
	6	51	5	5	52	5	19	5.8	0.65	15
	10	34	5	5	36	5	9	5.7	0.55	25
	12	26	5	5	28	4	6	5.6	0.50	30

Product Name	Nominal Thickness	Trans.	Visible		Solar		UV Trans	U-Value	SHGC	Weight kg/m ²
			Refl. Out	Refl. In	Trans.	Refl.				
Viridian ComfortPlus™										
ComfortPlus™ Neutral59 (#4)	6.38	59	7	9	42	7	<1	3.6	0.52	15.4
	8.38	60	8	10	41	7	<1	3.6	0.51	20.4
	10.38	62	8	10	40	7	<1	3.6	0.51	25.4
	12.38	61	8	10	39	7	<1	3.5	0.49	30.4
ComfortPlus™ Grey40 (#4)	6.38	39	6	9	40	7	<1	3.6	0.50	15.4
	8.38	39	6	9	38	7	<1	3.6	0.49	20.4
	10.38	38	6	9	35	6	<1	3.6	0.47	25.4
	12.38	38	6	9	34	6	<1	3.5	0.46	30.4
ComfortPlus™ Light Grey54 (#4)	6.38	54	7	9	47	7	<1	3.6	0.56	15.4
	10.38	53	7	9	43	7	<1	3.6	0.53	25.4
ComfortPlus™ Green71 (#4)	6.38	71	9	11	41	7	<1	3.6	0.51	15.4
	10.38	65	8	10	32	6	<1	3.6	0.44	25.4
	12.38	59	8	10	26	5	<1	3.5	0.40	30.4
ComfortPlus™ Clear82 (#4)	6.38	82	10	11	64	9	<1	3.6	0.69	15.4
	8.38	81	11	11	61	9	<1	3.6	0.66	20.4
	10.38	79	11	12	57	9	<1	3.6	0.63	25.4
	12.38	79	10	11	55	8	<1	3.5	0.62	30.4
ComfortPlus™ Bronze 49 (#4)	6.38	49	7	9	43	7	<1	3.6	0.53	15.4
	10.38	47	7	9	40	7	<1	3.6	0.50	25.4
ComfortPlus™ Translucent (#4)	6.38	63	8	10	51	8	<1	3.6	0.59	15.4
	10.38	62	8	10	47	7	<1	3.6	0.56	15.4

Product Name	Nominal Thickness	Trans.	Visible		Solar		UV Trans	U-Value	SHGC	Weight kg/m ²
			Refl. Out	Refl. In	Trans.	Refl.				
Viridian ComfortHush™										
ComfortHush™ Clear (#4)	6.5	81	11	11	62	9	<1	3.6	0.67	15.5
	10.5	80	10	11	57	9	<1	3.6	0.64	25.5
ComfortHush™ Neutral (#4)	6.5	60	8	10	42	7	<1	3.6	0.52	15.5
	10.5	59	8	10	38	7	<1	3.6	0.49	25.5
ComfortHush™ Grey (#4)	6.88	39	6	9	39	6	<1	3.6	0.50	15.9
	10.88	38	6	9	35	6	<1	3.5	0.47	25.9
ComfortHush™ Translucent (#4)	6.88	63	8	10	51	7	<1	3.6	0.59	15.9
	10.88	62	8	10	46	7	<1	3.6	0.56	25.9

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian VLam™										
VLam™ Clear	6.38	87	8	8	72	7	<1	5.7	0.79	15.4
	6.76	87	8	8	71	7	<1	5.7	0.78	15.8
	7.52	87	8	8	69	7	<1	5.6	0.77	16.6
	8.38	87	8	8	72	7	<1	5.7	0.78	20.4
	10.38	86	8	8	66	7	<1	5.6	0.74	25.4
	12.38	85	8	8	65	7	<1	5.6	0.74	30.4
VLam™ Grey	6.38	42	5	5	47	6	<1	5.7	0.62	15.4
	8.38	42	5	5	46	5	<1	5.7	0.62	20.4
	10.38	41	5	5	42	5	<1	5.6	0.59	25.4
	12.38	41	5	5	41	5	<1	5.6	0.58	30.4
VLam™ Bronze	6.38	52	6	6	51	6	<1	5.7	0.64	15.4
	8.38	52	6	6	50	6	<1	5.7	0.64	20.4
	10.38	51	6	6	46	5	<1	5.7	0.61	25.4
	12.38	51	6	6	45	5	<1	5.6	0.61	30.4
VLam™ Green	6.38	71	7	7	63	6	<1	5.7	0.72	15.4
	8.38	71	7	7	62	6	<1	5.7	0.72	20.4
	10.38	70	7	7	57	6	<1	5.6	0.69	25.4
	12.38	69	7	7	56	6	<1	5.6	0.68	30.4
VLam™ Cool Blue	6.38	73	7	7	66	7	<1	5.7	0.74	15.4
	8.38	73	7	7	65	7	<1	5.7	0.74	20.4
	10.38	72	7	7	59	6	<1	5.6	0.70	25.4
	12.38	71	7	7	58	6	<1	5.6	0.70	30.4
VLam™ SuperGreen™	6.38	64	6	6	30	5	<1	5.7	0.50	15.4
	10.38	65	6	6	31	5	<1	5.6	0.51	25.4
	12.38	64	6	6	30	5	<1	5.6	0.51	30.4

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian LuminaMist™										
LuminaMist™	6.38	68	7	7	59	6	<1	5.7	0.70	15.4
	8.38	67	7	7	59	6	<1	5.7	0.70	20.4
	10.38	66	7	7	54	6	<1	5.6	0.67	25.4
	12.38	66	7	7	53	6	<1	5.6	0.66	30.4
LuminaMist™ SuperClear	10.38	70	7	7	69	7	<1	5.6	0.77	25.4
	12.38	70	7	7	68	7	<1	5.6	0.76	30.4
LuminaMist™ Grey	6.76	32	5	5	38	5	<1	5.7	0.56	15.8

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian VLam Hush™										
VLam Hush™ Clear	6.5	87	8	8	71	7	<1	5.7	0.78	15.5
	8.5	87	8	8	71	7	<1	5.7	0.78	20.5
	10.5	85	8	8	65	7	<1	5.6	0.74	25.5
	12.5	85	8	8	64	6	<1	5.5	0.73	30.5
VLam Hush™ Grey	6.88	42	5	5	45	5	<1	5.7	0.61	15.9

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian VFloat SuperClear™										
SuperClear™	6	91	9	9	88	8	74	5.8	0.89	15
	8	90	9	9	87	8	71	5.7	0.88	20
	10	90	9	9	86	8	66	5.7	0.88	25
	12	90	9	9	86	8	66	5.6	0.88	30
	15	90	9	9	83	8	57	5.5	0.86	37.5
	19	90	9	9	82	8	54	5.4	0.85	47.5

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian High Performance Tones										
SuperGrey™	6	9	4	4	8	4	1	5.8	0.36	15
SuperBlue™	6	53	6	6	33	5	20	5.8	0.52	15
	10	41	5	5	22	5	13	5.7	0.45	25

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian EVantage™										
EVantage™ Grey (#2)	6	32	10	27	29	8	10	3.8	0.42	15
EVantage™ Bronze (#2)	6	38	11	27	35	10	11	3.8	0.46	15
EVantage™ Blue-Green (#2)	6	56	19	27	35	11	16	3.8	0.46	15
EVantage™ Clear (#2)	6	68	23	26	59	17	30	3.8	0.63	15
EVantage™ SuperGreen (#2)	6	49	16	27	24	9	8	3.8	0.38	15
EVantage™ Super Blue (#2)	6	39	12	27	23	8	10	3.8	0.37	15

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian EnergyTech™										
Viridian EnergyTech™ (#2)	3	83	11	11	71	11	58	3.7	0.74	7.5
	4	83	11	11	68	11	54	3.7	0.72	10
	5	82	11	12	67	11	52	3.7	0.71	12.5
	6	81	11	12	65	10	48	3.6	0.70	15
	8	81	10	11	66	10	50	3.6	0.70	20
	10	79	11	12	60	9	43	3.6	0.66	25
	12.4	79	10	11	56	8	42	3.6	0.63	31
Viridian EnergyTech™ Low Iron(#2)	6	83	11	12	75	12	68	3.7	0.77	15

Viridian EnergyTech™ Super-Green(#2)	6	61	8	10	28	6	12	3.7	0.41	15
Viridian EnergyTech™ Grey(#2)	4	50	7	9	45	7	21	3.7	0.54	10
	6	40	6	9	37	7	16	3.7	0.48	15

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian SmartGlass™										
SP 10 Clear - Polaris (#2)	4	83	11	11	68	11	54	3.7	0.72	10
	6	81	11	12	65	10	48	3.6	0.70	15
SP 30 Neutral - Panoramic (#2)	4	61	8	10	46	8	44	3.7	0.54	10
	6	63	9	10	45	8	41	3.7	0.54	15
SP 35 Grey - Dusk (#2)	4	50	7	9	45	7	21	3.7	0.54	10
	6	40	6	9	37	7	16	3.7	0.48	15

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian SolTech™										
Viridian SolTech™ (#2)	3	62	8	10	47	8	47	3.7	0.56	7.5
	4	61	8	10	46	8	44	3.7	0.54	10
	6	63	9	10	45	8	41	3.7	0.54	15
	10	62	8	10	43	8	39	3.6	0.53	36
Viridian SolTech™ Grey(#2)	6	30	6	8	24	6	13	3.7	0.37	15

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Value	SHGC	Weight kg/m ²
Viridian Enviroshield™ Performance										
ITO Clear74 (#4)	8.76	76	10	11	46	7	<1	3.6	0.55	20.8
	10.76	74	10	11	44	7	<1	3.5	0.53	25.8
	12.76	73	10	11	42	7	<1	3.5	0.52	30.8
ITO Green67 (#4)	8.76	69	9	10	34	6	<1	3.6	0.46	20.8
	10.76	68	9	11	33	6	<1	3.5	0.45	25.8
	12.76	62	8	10	27	6	<1	3.5	0.41	30.8
ITO Neutral54 (#4)	8.76	56	8	10	32	6	<1	3.6	0.44	20.8
	10.76	58	8	9	32	6	<1	3.5	0.45	25.8
	12.76	57	8	9	31	6	<1	3.5	0.44	30.8
ITO Grey33 (#4)	8.76	35	6	9	21	5	<1	3.6	0.36	20.8
	10.76	36	6	8	21	5	<1	3.5	0.36	25.8
	12.76	27	5	8	16	5	<1	3.5	0.32	30.8
ITO Super-Green45 (#4)	8.76	46	7	9	20	5	<1	3.6	0.35	20.8
	10.76	47	7	9	20	5	<1	3.5	0.35	25.8
	12.76	43	6	9	17	5	<1	3.5	0.33	30.8
ITO SuperBlue40 (#4)	12.76	34	6	8	15	5	<1	3.5	0.32	30.8
XIR Clear71	6.76	73	7	7	39	23	<1	5.7	0.51	15.8
XIR Clear70	12.76	71	7	7	37	21	<1	5.5	0.50	30.8
XIR Energy-Tech62 (#4)	12.76	65	9	10	32	21	<1	3.5	0.42	30.8

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value	SHGC	Weight kg/m ²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.				
AssaultGuard Ultra™										
AssaultGuard Ultra™	10	86	8	8	67	7	<1	5.4	0.75	22.2
	12	85	8	8	63	7	<1	5.3	0.73	27.2
	14	84	8	8	60	6	<1	5.3	0.71	32.2
AssaultGuard Ultra™ LowE	10	79	10	11	58	8	<1	3.5	0.65	22.2
	12	78	10	11	56	8	<1	3.4	0.63	27.2
	14	77	10	11	53	8	<1	3.4	0.61	32.2

Typical measured values of Viridian production are provided.

All performance data is determined– using LBL Window 7.5 software, AFRC 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 Air is the width of the airspace, 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).

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value	SHGC	Weight kg/m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.				
IntruderGuard™										
Intruder-Guard™	6.52	88	8	8	72	7	<1	5.6	0.78	13.9
	7.52	86	7	7	69	6	<1	5.6	0.77	16.6
Intruder-Guard™ Grey	6.52	42	5	5	46	5	<1	5.6	0.61	13.9
	7.52	42	5	5	44	5	<1	5.6	0.60	16.6

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value	SHGC	Weight kg/m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.				
JailGuard™										
JailGuard™	14.6	83	8	8	59	6	<1	5.0	0.70	29.3
	16.5	86	8	8	65	7	<1	5.3	0.74	29.8
	22	79	8	8	49	6	<1	4.7	0.65	44.0

Product Name	Nominal Thickness	Visible			Solar		UV Trans	U-Value	SHGC	Weight kg/m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.				
AssaultGuard™										
Assault-Guard™	9.52	87	8	8	69	7	<1	5.5	0.77	21.6
	11.52	86	8	8	63	6	<1	5.5	0.73	26.6
	13.52	84	7	7	61	6	<1	5.4	0.72	31.6

Glass Performance: Insulated Glazing

Viridian ThermoTech™

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m²
			Trans.	Refl. Out	Refl. In	Trans.	Refl.				
Clear ThermoTech											
VFloat™ Clear	VFloat™ Clear	3+12+3	81	15	15	69	13	53	2.6	0.76	15
		4+12+4	80	15	15	69	13	51	2.6	0.75	20
		5+12+5	79	15	15	63	12	47	2.5	0.72	25
		6+12+6	78	15	15	62	12	44	2.5	0.71	30
		8+12+6	77	14	14	57	11	42	2.5	0.66	35
		10+12+6	76	14	14	54	10	39	2.5	0.64	40
		12+12+6	75	14	14	51	10	37	2.5	0.61	45
VLam™ Clear	VFloat™ Clear	6.38+12+6	78	15	15	58	12	<1	2.5	0.67	30.4
ComfortHush™ Clear	VFloat™ Clear	6.5+12+6	72	16	17	50	12	<1	1.6	0.59	30.5
		10.5+12+6	71	16	17	46	11	<1	1.6	0.55	40.5
Grey ThermoTech											
VFloat™ Grey	VFloat™ Clear	4+12+4	50	8	13	46	8	24	2.6	0.55	20
		5+12+5	42	7	12	38	7	19	2.5	0.49	25
		6+12+6	37	7	12	33	7	15	2.5	0.45	30
		10+12+6	23	5	12	22	5	8	2.5	0.38	40
		12+12+6	19	5	12	20	5	7	2.5	0.34	45
VLam™ Grey	VFloat™ Clear	6.38+12+6	37	7	12	36	7	<1	2.5	0.49	30.4
SuperGrey™	VFloat™ Clear	6+12+6	8	4	11	6	4	1	2.5	0.21	30
Green ThermoTech											
VFloat™ Green	VFloat™ Clear	4+12+4	73	13	14	49	9	30	2.6	0.58	20
		5+12+5	68	12	14	39	8	17	2.5	0.50	25
		6+12+6	66	12	14	36	8	21	2.5	0.47	30
		10+12+6	59	10	13	27	6	12	2.5	0.39	40
VLam™ Green	VFloat™ Clear	6.38+12+6	63	11	14	50	9	<1	2.5	0.61	30.4
VLam™ Super-Green	VFloat™ Clear	6.38+12+6	57	10	13	25	7	<1	2.5	0.37	30.4

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m²
			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
		10+12+6	36	7	12	18	5	10	2.5	0.32	40
VLam™ Cool Blue	VFloat™ Clear	6.38+12+6	65	12	14	52	10	<1	2.5	0.63	30.4
Bronze ThermoTech											
VFloat™ Bronze	VFloat™ Clear	4+12+4	55	10	13	50	9	23	2.5	0.59	20
		5+12+5	48	8	13	41	7	18	2.5	0.53	25
		6+12+6	45	8	12	41	7	15	2.5	0.53	30
		10+12+6	30	6	12	28	6	7	2.5	0.41	40
		12+12+6	23	5	12	22	5	5	2.5	0.36	45
VLam™ Bronze	VFloat™ Clear	6.38+12+6	46	8	13	40	8	<1	2.5	0.52	30.4
Renew™Bronze (#1)	VFloat™ Clear	6.38+12+6	43	15	14	37	12	<1	2.5	0.49	30.4
Privacy ThermoTech											
LuminaMist™	VFloat™ Clear	6.38+12+6	60	11	14	47	9	<1	2.5	0.58	30.4
LuminaMist™ Grey	VFloat™ Clear	6.76+12+6	29	6	12	30	6	<1	2.5	0.43	30.8

Typical measured values of Viridian production are provided.

All performance data is determined– using LBL Window 7.5 software, AFRC 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 Air is the width of the airspace, 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).



Glass Performance: Insulated LowE

Viridian ThermoTech™ Low E

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m²
			Trans.	Refl. Out	Refl. In	Trans.	Refl.				
Clear ThermoTech											
VFloat™ Clear	EnergyTech™ Clear	3+12+4	75	18	17	58	16	42	1.6	0.70	17.5
		4+12+4	74	18	17	57	16	41	1.6	0.71	20
		5+12+4	74	17	17	55	15	40	1.6	0.68	22.5
		6+12+6	73	17	16	52	15	35	1.6	0.67	30
		8+12+6	71	17	16	48	13	34	1.6	0.62	35
		10+12+6	70	17	16	46	13	32	1.6	0.59	40
		12+12+6	69	16	16	44	12	30	1.6	0.57	45
VLam™ Clear	EnergyTech™ Clear	6.38+12+6	72	17	16	50	13	<1	1.6	0.74	30.4
Evantage™ Clear	VFloat™ Clear	6+12+6	61	27	29	47	20	23	1.7	0.56	30
EVantage™ Clear	EnergyTech™ Clear	6+12+6	57	29	29	41	21	19	1.5	0.54	30
EnergyTech™ Clear	VFloat™ Clear	4 + 12 + 4	75	17	18	57	15	41	1.6	0.64	20
		6 + 12 + 6	73	16	17	52	14	36	1.6	0.62	30
		8 + 12 + 6	72	16	17	52	13	36	1.6	0.62	35
		10 + 12 + 6	71	16	17	48	12	32	1.6	0.57	40
EnergyTech™ Clear	EnergyTech™ Clear	4 + 12 + 4	69	19	19	51	16	34	1.5	0.62	20
		6 + 12 + 6	67	19	19	47	15	29	1.5	0.59	30
		8 + 12 + 6	67	18	18	47	15	29	1.5	0.59	35
		10 + 12 + 6	65	18	19	43	13	26	1.5	0.55	40
ComfortHush™ Clear	VFloat™ Clear	6.5+12+6	72	16	17	50	12	<1	1.6	0.59	30.5
		10.5+12+6	71	16	17	46	11	<1	1.6	0.55	40.5
ComfortHush™ Clear	EnergyTech™ Clear	6.5+12+6	67	18	18	44	14	<1	1.5	0.57	30.5
		10.5+12+6	66	18	18	41	12	<1	1.5	0.53	40.5
ComfortPlus™ Clear	VFloat™ Clear	6.38+12+6	73	16	17	51	12	<1	1.6	0.60	30.4
		8.38+12+6	72	16	17	49	12	<1	1.6	0.58	35.4
		10.38+12+6	71	16	17	47	11	<1	1.6	0.55	40.4
		12.38+12+6	70	16	17	45	11	<1	1.6	0.54	45.4
ComfortPlus™ Clear	EnergyTech™ Clear	6.38+12+6	68	18	18	45	14	<1	1.5	0.58	30.4
		8.38+12+6	67	18	18	43	13	<1	1.5	0.55	35.4
		10.38+12+6	65	18	19	41	12	<1	1.5	0.52	40.4
		12.38+12+6	65	18	18	40	12	<1	1.5	0.51	45.4
Enviroshield ITO™ Clear	VFloat™ Clear	8.76+12+6	67	15	17	37	9	<1	1.6	0.46	35.8
Enviroshield ITO™ Clear	EnergyTech™ Clear	8.76+12+6	62	16	18	34	10	<1	1.5	0.44	35.8

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m²
			Trans.	Refl. Out	Refl. In	Trans.	Refl.				
Neutral ThermoTech											
EnergyTech™ SuperClear	SuperClear™	6 + 12 + 6	76	17	18	67	17	53	1.6	0.70	30
EnergyTech™ SuperClear	EnergyTech™ SuperClear	6 + 12 + 6	70	19	19	60	18	47	1.5	0.67	30
SolTech™ Neutral	VFloat™ Clear	4 + 12 + 4	55	12	16	38	10	34	1.6	0.46	20
		6 + 12 + 6	56	12	16	36	10	30	1.6	0.45	30
		10 + 12 + 6	55	11	16	35	10	29	1.6	0.44	40
SolTech™ Neutral	EnergyTech™ Clear	4 + 12 + 4	51	13	18	34	11	28	1.5	0.44	20
		6 + 12 + 6	52	13	17	33	11	24	1.5	0.43	30
		10 + 12 + 6	51	13	17	31	10	23	1.5	0.42	40
ComfortHush™ Neutral	VFloat™ Clear	6.5+12+6	53	11	16	34	9	<1	1.6	0.43	30.5
		10.5+12+6	53	11	16	31	8	<1	1.6	0.40	40.5
ComfortHush™ Neutral	EnergyTech™ Clear	6.5+12+6	49	12	17	31	9	<1	1.5	0.41	30.5
		10.5+12+6	49	12	17	28	9	<1	1.5	0.38	40.5
ComfortPlus™ Neutral	VFloat™ Clear	8.38+12+6	53	11	16	33	9	<1	1.6	0.42	35.4
ComfortPlus™ Neutral	EnergyTech™ Clear	8.38+12+6	49	12	17	30	9	<1	1.5	0.40	35.4
Enviroshield ITO™ Neutral	VFloat™ Clear	8.76+12+6	50	10	16	26	7	<1	1.6	0.35	35.8
Enviroshield ITO™ Neutral	EnergyTech™ Clear	8.76+12+6	46	11	17	24	7	<1	1.5	0.33	35.8
Grey ThermoTech											
VFloat™ Grey	EnergyTech™ Clear	4+12+4	46	9	15	38	10	20	1.6	0.50	20
		5+12+4	39	8	14	32	9	16	1.6	0.44	22.5
		6+12+6	34	7	14	27	8	12	1.6	0.40	30
		10+12+6	21	5	14	18	6	6	1.6	0.30	40
		12+12+6	17	5	14	16	6	6	1.6	0.28	45
VLam™ Grey	EnergyTech™ Clear	6.38+12+6	34	7	14	30	8	<1	1.6	0.44	30.4
EVantage™ Grey	VFloat™ Clear	6+12+6	29	10	30	24	9	8	1.7	0.33	30
EVantage™ Grey	EnergyTech™ Clear	6+12+6	27	11	29	20	9	7	1.5	0.31	30
EnergyTech™ Grey	VFloat™ Clear	4 + 12 + 4	45	9	15	38	9	18	1.6	0.45	20
		6 + 12 + 6	35	8	16	29	8	13	1.7	0.39	30
EnergyTech™ Grey	EnergyTech™ Clear	4 + 12 + 4	42	10	17	33	10	15	1.5	0.43	20
		6 + 12 + 6	33	8	17	26	8	10	1.5	0.36	30
SolTech™ Grey	VFloat™ Clear	6 + 12 + 6	27	6	14	19	6	11	1.6	0.28	30
SolTech™ Grey	EnergyTech™ Clear	6 + 12 + 6	25	7	16	17	7	8	1.5	0.26	30
ComfortHush™ Grey	VFloat™ Clear	6.88+12+6	35	7	15	30	8	<1	1.6	0.40	30.9
		10.88+12+6	34	7	15	28	7	<1	1.6	0.38	40.9
ComfortHush™ Grey	EnergyTech™ Clear	6.88+12+6	32	8	17	27	8	<1	1.5	0.38	30.9
		10.88+12+6	31	8	17	24	7	<1	1.5	0.36	40.9
Enviroshield ITO™ Grey	VFloat™ Clear	8.76+12+6	31	7	15	17	5	<1	1.6	0.26	35.8
Enviroshield ITO™ Grey	EnergyTech™ Clear	8.76+12+6	29	7	17	16	6	<1	1.5	0.25	35.8
Renew™ Grey (#1)	EnergyTech™ Clear	6.38+12+6	31	17	16	29	15	<1	1.6	0.42	30.4
Supergrey™	EnergyTech™ Clear	6+12+6	7	4	13	5	4	1	1.6	0.14	30

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m²
			Trans.	Refl. Out	Refl. In	Trans.	Refl.				
Green ThermoTech											
VFloat™ Green	EnergyTech™ Clear	4+12+4	68	15	16	41	11	24	1.6	0.52	20
		5+12+4	64	14	16	34	9	14	1.6	0.44	22.5
		6+12+6	61	14	16	31	9	17	1.6	0.42	30
		10+12+6	52	11	15	21	7	7	1.6	0.31	40
VLam™ Green	EnergyTech™ Clear	6.38+12+6	59	13	16	42	11	<1	1.6	0.56	30.4
EnergyTech™ Green	VFloat™ Clear	4 + 12 + 4	68	15	17	41	10	25	1.6	0.48	20
		6 + 12 + 6	63	13	16	33	9	19	1.6	0.41	30
EnergyTech™ Green	EnergyTech™ Clear	4 + 12 + 4	63	17	18	37	11	20	1.5	0.46	20
		6 + 12 + 6	59	15	18	29	9	15	1.5	0.39	30
Enviroshield ITO™ Green	VFloat™ Clear	8.76+12+6	61	13	16	29	8	<1	1.6	0.37	35.8
Enviroshield ITO™ Green	EnergyTech™ Clear	8.76+12+6	57	14	18	27	8	<1	1.5	0.35	35.8
Renew™ Green (#1)	EnergyTech™ Clear	6.38+12+6	53	21	20	40	17	<1	1.6	0.54	30.4
SuperGreen™	EnergyTech™ Clear	4+12+4	61	13	15	31	8	15	1.6	0.41	20
		5+12+4	59	12	15	28	8	12	1.6	0.38	22.5
		6+12+6	55	12	15	24	7	8	1.6	0.34	30
VLam Super-Green™	EnergyTech™ Clear	6.38+12+6	54	11	15	23	7	<1	1.6	0.33	30.4
EVantage™ SuperGreen	VFloat™ Clear	6+12+6	44	18	30	21	9	7	1.7	0.29	30
EVantage™ SuperGreen	EnergyTech™ Clear	6+12+6	41	19	29	18	10	5	1.5	0.27	30
EnergyTech™ SuperGreen	VFloat™ Clear	4 + 12 + 4	61	13	17	32	8	15	1.6	0.39	20
		6 + 12 + 6	54	11	16	24	7	10	1.6	0.32	30
EnergyTech™ SuperGreen	EnergyTech™ Clear	4 + 12 + 4	57	14	18	28	9	12	1.5	0.37	20
		6 + 12 + 6	50	13	18	22	8	8	1.5	0.30	30
Enviroshield ITO™ SuperGreen	VFloat™ Clear	8.76+12+6	41	8	15	17	5	<1	1.6	0.25	35.8
Enviroshield ITO™ SuperGreen	EnergyTech™ Clear	8.76+12+6	38	9	17	15	6	<1	1.5	0.24	35.8
Renew™ SuperGreen (#1)	EnergyTech™ Clear	7.38+12+6	53	21	19	25	14	<1	1.6	0.35	32.9
Blue ThermoTech											
SuperBlue™	EnergyTech™ Clear	6+12+6	43	9	15	23	7	13	1.6	0.33	30
		10+12+6	34	7	14	16	6	8	1.6	0.25	40
EVantage™ SuperBlue	VFloat™ Clear	6+12+6	35	13	30	19	9	8	1.7	0.28	30
EVantage™ SuperBlue	EnergyTech™ Clear	6+12+6	33	14	29	17	9	7	1.5	0.26	30
Enviroshield ITO™ SuperBlue	VFloat™ Clear	12.76+12+6	30	7	15	13	5	<1	1.6	0.22	45.8
Enviroshield ITO™ SuperBlue	EnergyTech™ Clear	10.76+12+6	28	7	16	12	5	<1	1.5	0.20	40.8
EVantage™ Blue-Green	VFloat™ Clear	6+12+6	51	21	30	29	12	13	1.7	0.38	30
EVantage™ Blue-Green	EnergyTech™ Clear	6+12+6	47	22	29	26	13	10	1.5	0.35	30
VLam™ Cool Blue	EnergyTech™ Clear	6.38+12+6	60	14	16	44	12	<1	1.6	0.58	30.4

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m²
			Trans.	Refl. Out	Refl. In	Trans.	Refl.				
Bronze ThermoTech											
VFloat™ Bronze	EnergyTech™ Clear	4+12+4	51	11	15	41	11	19	1.6	0.54	20
		5+12+4	45	9	15	35	9	15	1.6	0.47	22.5
		6+12+6	41	8	15	34	9	12	1.6	0.48	40
		10+12+6	28	6	14	23	7	6	1.6	0.36	40
		12+12+6	22	5	14	18	6	4	1.6	0.34	45
VLam™ Bronze	EnergyTech™ Clear	6.38+12+6	43	9	15	34	9	<1	1.6	0.47	30.4
EVantage™ Bronze	VFloat™ Clear	6+12+6	34	13	29	28	11	9	1.7	0.37	30
EVantage™ Bronze	EnergyTech™ Clear	6+12+6	32	13	29	24	11	7	1.5	0.35	30
Privacy ThermoTech											
LuminaMist™	EnergyTech™ Clear	6.38+12+6	56	12	15	40	10	<1	1.6	0.54	30.4
LuminaMist™ Grey	EnergyTech™ Clear	6.76+12+6	27	6	14	25	7	<1	1.6	0.44	30.8
ComfortHush™ Translucent	EnergyTech™ Clear	6.88+12+6	52	13	18	36	10	<1	1.5	0.48	30.9
		10.88+12+6	51	12	17	33	10	<1	1.5	0.45	40.9
ComfortHush™ Translucent	VFloat™ Clear	6.88+12+6	56	11	16	40	10	<1	1.6	0.50	30.9
		10.88+12+6	55	11	16	37	9	<1	1.6	0.47	40.9

Typical measured values of Viridian production are provided.

All performance data is determined– using LBL Window 7.5 software, AFRC 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 Air is the width of the airspace, 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).



Glass Performance: PerformaTech

Viridian PerformaTech™ Insulating Glass Units

Outside Glass	Inside Glass	Nominal Thickness	Visible			Solar		UV Trans	U-Value Argon	SHGC	Weight kg/m²
			Trans.	Refl. Out	Refl. In	Trans.	Refl.				
PerformaTech Range											
PH05(30)Clr	VFloat™ Clear	6+12+6	45	19	11	28	23	28	1.6	0.36	30
PH06(60)Clr	VFloat™ Clear	6+12+6	69	13	14	33	33	23	1.4	0.38	30
PH07(90) SuperClear	VFloat SuperClear™	6+12+6	69	13	13	27	53	7	1.3	0.30	30
PH08(60)Clr	VFloat™ Clear	6+12+6	68	13	15	29	38	22	1.3	0.34	30
PH09(90)Clr	VFloat™ Clear	6+12+6	46	16	18	16	38	7	1.3	0.20	30
PH10(90)Clr	VFloat™ Clear	6+12+6	68	11	13	26	41	17	1.3	0.30	30
PH11(60)Clr	VFloat™ Clear	6+12+6	51	18	22	21	32	19	1.3	0.26	30
PH12(30)Clr	VFloat™ Clear	6+12+6	79	13	12	51	28	43	1.4	0.58	30
PH15(60)Clr	VFloat™ Clear	6+12+6	54	11	16	25	24	28	1.4	0.32	30
PH15(60)Gry	VFloat™ Clear	6+12+6	46	17	20	21	27	27	1.4	0.30	30
PH15(60) EuroGry	VFloat™ Clear	6+12+6	29	7	15	14	12	9	1.4	0.20	30

Typical measured values of Viridian production are provided.

All performance data is determined– using LBL Window 7.5 software, AFRC 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 Air is the width of the airspace, 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).



Glass Performance: LightBridge

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Factor	SHGC	Weight kg/m²
Viridian LightBridge™ (Base Level)										
LightBridge™ Clear	4+12+4	80	12	13	54	27	49	1.4	0.60	20
	5+12+5	80	12	13	52	25	46	1.4	0.58	25
	6+12+6	79	12	13	51	24	43	1.4	0.57	30
	8+12+8	77	12	12	46	20	40	1.4	0.53	35
LightBridge™ Neutral	5+12+5	61	9	11	39	16	28	1.4	0.46	25
	6+12+6	57	8	11	36	14	25	1.4	0.43	30
LightBridge™ Grey	4+12+4	50	7	11	35	15	23	1.4	0.41	20
	5+12+5	43	7	10	30	13	18	1.4	0.36	25
	6+12+6	37	6	10	27	11	15	1.4	0.33	30
LightBridge™ Lumina-Cloud™	4+12+4	80	12	13	54	27	49	1.4	0.60	20
	6+12+6	79	12	13	51	24	43	1.4	0.57	30
	8+12+8	77	12	12	46	20	40	1.4	0.53	35
LightBridge™ Lumina-Cloud™ Grey	4+12+4	50	7	11	35	15	23	1.4	0.41	20
	6+12+6	37	6	10	27	11	15	1.4	0.33	30
Viridian LightBridge™ S1										
LightBridge™ Clear S1	6.38+12+4	79	12	13	49	21	<1	1.4	0.55	25.4
	6.38+12+5	79	12	13	48	21	<1	1.4	0.55	27.9
	6.38+12+6	79	12	13	48	21	<1	1.4	0.55	30.4
	8.38+12+8	78	12	13	47	20	<1	1.4	0.54	40.4
LightBridge™ Neutral S1	6.38+12+4	53	8	11	36	16	<1	1.4	0.42	25.4
	6.38+12+5	53	8	11	35	16	<1	1.4	0.42	27.9
	6.38+12+6	52	8	11	35	16	<1	1.4	0.42	30.4
	8.38+12+8	52	8	11	34	15	<1	1.4	0.41	40.4
LightBridge™ Grey S1	6.38+12+4	38	6	10	29	14	<1	1.4	0.35	25.4
	6.38+12+5	38	6	10	28	14	<1	1.4	0.35	27.9
	6.38+12+6	38	6	10	28	14	<1	1.4	0.35	30.4
	8.38+12+8	37	6	10	27	14	<1	1.4	0.35	40.4
LightBridge™ LuminaMist™ S1	6.38+12+4	61	9	11	39	16	<1	1.4	0.46	25.4
	6.38+12+5	61	9	11	39	17	<1	1.4	0.45	27.9
	6.38+12+6	61	9	11	39	16	<1	1.4	0.45	30.4
	8.38+12+8	60	9	11	38	16	<1	1.4	0.45	40.4
LightBridge™ LuminaMist™ Grey S1	6.38+12+4	29	6	10	23	11	<1	1.4	0.30	25.4
	6.38+12+5	29	6	10	23	11	<1	1.4	0.30	27.9
	6.38+12+6	29	6	10	23	11	<1	1.4	0.30	30.4
	8.38+12+8	29	6	10	22	11	<1	1.4	0.30	40.4

Product Name	Nominal Thickness	Trans.	Visible Refl. Out	Refl. In	Solar Trans.	Refl.	UV Trans	U-Factor	SHGC	Weight kg/m²
Viridian LightBridge™ S2										
LightBridge™ Clear S2	6.5+12+4	79	12	13	49	20	<1	1.4	0.54	25.5
	6.5+12+5	79	12	13	48	20	<1	1.4	0.54	28
	6.5+12+6	78	12	13	48	20	<1	1.4	0.54	30.5
	8.5+12+8	78	12	12	46	19	<1	1.4	0.54	40.5
LightBridge™ Neutral S2	6.88+12+4	53	8	11	35	15	<1	1.4	0.41	25.4
	6.88+12+5	53	8	11	35	15	<1	1.4	0.41	28.4
	6.88+12+6	52	8	11	34	15	<1	1.4	0.41	30.9
	8.88+12+8	52	8	11	33	14	<1	1.4	0.41	40.9
LightBridge™ Grey S2	6.88+12+4	38	6	10	28	13	<1	1.4	0.35	25.4
	6.88+12+5	38	6	10	28	13	<1	1.4	0.35	28.4
	6.88+12+6	38	6	10	28	13	<1	1.4	0.35	30.9
	8.88+12+8	37	6	10	27	13	<1	1.4	0.35	40.9

Typical measured values of Viridian production are provided.

All performance data is determined– using LBL Window 7.5 software, AFRC 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 Air is the width of the airspace, 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).