



# Vitro Architectural Glass

Glass Performance Tables for International Markets



# Performance for Insulated Glass Units of 6mm Outer Lite + 12mm Airspace + 6mm Inner Lite

Table of Performance Values <sup>1</sup>																	
Glass Configuration 6mm + 12mm Gap + 6mm	UV%	Visible Light			Solar Energy					U-Values <sup>2</sup> W/m <sup>2</sup> *K						LSG <sup>4</sup>	
		Refl%					SF				Win-NFRC		Sum-NFRC		EN673		
		Trans%	Ext	Int	Refl%	Trans%	EN410	SHGC <sup>3</sup>	SC	air	argon	air	argon	air	argon		

## SOLARBAN® 90 Quad Silver Neutral Low-e Glasses

SOLARBAN® 90 (2) Clear + Clear	7	51	12	19	37	19	0.26	0.23	0.27	1.63	1.35	1.57	1.25	1.5	1.2	2.22
SOLARBAN® 90 (2) STARPHIRE® + STARPHIRE®	10	54	13	20	55	21	0.26	0.23	0.27	1.63	1.35	1.57	1.25	1.5	1.2	2.33
SOLARBAN® 90 (2) AZURIA® + Clear	5	39	9	19	8	14	0.22	0.21	0.24	1.63	1.35	1.57	1.25	1.5	1.2	1.88
SOLARBAN® 90 (2) ATLANTICA® + Clear	2	39	9	19	8	13	0.21	0.20	0.23	1.63	1.35	1.57	1.25	1.5	1.2	1.90
SOLARBAN® 90 (2) SOLEXIA® + Clear	4	45	10	19	13	16	0.24	0.22	0.26	1.63	1.35	1.57	1.25	1.5	1.2	1.99
SOLARBAN® 90 (2) OPTIBLUE® + Clear	5	37	9	19	30	14	0.21	0.20	0.23	1.63	1.35	1.57	1.25	1.5	1.2	1.87
SOLARBAN® 90 (2) PACIFICA® + Clear	2	25	6	18	7	9	0.17	0.17	0.19	1.63	1.35	1.57	1.25	1.5	1.2	1.46
SOLARBAN® 90 (2) SOLARBLUE® + Clear	4	32	8	18	16	12	0.20	0.19	0.22	1.63	1.35	1.57	1.25	1.5	1.2	1.69
SOLARBAN® 90 (2) SOLARBRONZE® + Clear	3	31	7	18	20	11	0.18	0.18	0.21	1.63	1.35	1.57	1.25	1.5	1.2	1.71
SOLARBAN® 90 (2) OPTIGRAY® + Clear	4	36	8	19	18	13	0.21	0.20	0.23	1.63	1.35	1.57	1.25	1.5	1.2	1.82
SOLARBAN® 90 (2) SOLARGRAY® + Clear	3	26	6	18	15	10	0.17	0.17	0.19	1.63	1.35	1.57	1.25	1.5	1.2	1.53

## SOLARBAN® 72 Triple Silver Neutral Low Iron Ultra-Clear Low-e Glass

SOLARBAN® 72 (2) STARPHIRE® + STARPHIRE®	9	71	13	13	53	28	0.34	0.30	0.34	1.63	1.34	1.57	1.23	1.5	1.2	2.37
--	---	----	----	----	----	----	------	------	------	------	------	------	------	-----	-----	------

## SOLARBAN® 70XL Triple Silver Neutral Low-e Glasses

SOLARBAN® 70XL (2) Clear + Clear	6	64	12	13	52	25	0.31	0.27	0.32	1.62	1.34	1.56	1.23	1.5	1.2	2.33
SOLARBAN® 70XL (2) AZURIA® + Clear	5	52	9	12	7	18	0.26	0.25	0.29	1.62	1.34	1.56	1.23	1.5	1.2	2.06
SOLARBAN® 70XL (2) ATLANTICA® + Clear	2	51	9	12	8	17	0.25	0.24	0.28	1.62	1.34	1.56	1.23	1.5	1.2	2.09
SOLARBAN® 70XL (2) SOLEXIA® + Clear	4	58	10	13	13	21	0.28	0.27	0.31	1.62	1.34	1.56	1.23	1.5	1.2	2.14
SOLARBAN® 70XL (2) PACIFICA® + Clear	2	32	6	12	7	12	0.20	0.20	0.23	1.62	1.34	1.56	1.23	1.5	1.2	1.64
SOLARBAN® 70XL (2) SOLARBLUE® + Clear	4	42	8	12	15	17	0.24	0.23	0.26	1.62	1.34	1.56	1.23	1.5	1.2	1.84
SOLARBAN® 70XL (2) SOLARBRONZE® + Clear	3	40	7	12	19	15	0.22	0.22	0.25	1.62	1.34	1.56	1.23	1.5	1.2	1.85
SOLARBAN® 70XL (2) OPTIGRAY® + Clear	4	47	8	12	18	18	0.26	0.24	0.28	1.62	1.34	1.56	1.23	1.5	1.2	1.96
SOLARBAN® 70XL (2) SOLARGRAY® + Clear	3	34	6	12	15	13	0.20	0.20	0.23	1.62	1.34	1.56	1.23	1.5	1.2	1.68

## SOLARBAN® z75 Triple Silver Blue-Gray Low-e Glass

SOLARBAN® z75 (2) + Clear	6	48	9	12	29	19	0.27	0.24	0.28	1.62	1.34	1.56	1.23	1.5	1.2	1.98
---------------------------	---	----	---	----	----	----	------	------	------	------	------	------	------	-----	-----	------

## SOLARBAN® R100 Triple Silver Reflective Low-e Glasses

SOLARBAN® R100 (2) Clear + Clear	12	42	32	14	41	19	0.25	0.23	0.27	1.66	1.38	1.61	1.29	1.6	1.3	1.78
SOLARBAN® R100 (2) STARPHIRE® + STARPHIRE®	16	44	33	14	57	21	0.26	0.24	0.27	1.66	1.38	1.61	1.29	1.6	1.3	1.86
SOLARBAN® R100 (2) AZURIA® + Clear	8	32	21	13	11	12	0.21	0.20	0.23	1.66	1.38	1.61	1.29	1.6	1.3	1.63
SOLARBAN® R100 (2) ATLANTICA® + Clear	3	32	20	13	11	12	0.20	0.19	0.22	1.66	1.38	1.61	1.29	1.6	1.3	1.64
SOLARBAN® R100 (2) SOLEXIA® + Clear	6	36	25	13	17	15	0.22	0.21	0.25	1.66	1.38	1.61	1.29	1.6	1.3	1.69
SOLARBAN® R100 (2) OPTIBLUE® + Clear	8	30	19	13	31	14	0.21	0.20	0.23	1.66	1.38	1.61	1.29	1.6	1.3	1.48
SOLARBAN® R100 (2) PACIFICA® + Clear	3	20	11	13	9	9	0.17	0.16	0.19	1.66	1.38	1.61	1.29	1.6	1.3	1.21
SOLARBAN® R100 (2) SOLARBLUE® + Clear	6	26	15	13	17	12	0.20	0.19	0.22	1.66	1.38	1.61	1.29	1.6	1.3	1.38
SOLARBAN® R100 (2) SOLARBRONZE® + Clear	5	25	15	13	20	11	0.19	0.18	0.21	1.66	1.38	1.61	1.29	1.6	1.3	1.36
SOLARBAN® R100 (2) OPTIGRAY® + Clear	6	29	18	13	20	13	0.21	0.20	0.23	1.66	1.38	1.61	1.29	1.6	1.3	1.48
SOLARBAN® R100 (2) SOLARGRAY® + Clear	5	21	12	13	16	10	0.17	0.17	0.20	1.66	1.38	1.61	1.29	1.6	1.3	1.21

<sup>1</sup>Data is based on center of glass performance of representative factory production samples. Actual values may vary due to the production process and manufacturing tolerances. All tabulated data is based on NFRC methodology and EN 410/673 methodology using the LBNL Window 7.3 software. This data is to be used for comparison purposes and should not be considered a contract.

It is the recipient's responsibility to ensure the manufacturability of the glazing configurations as well as evaluating appropriate design considerations such as wind and snow load analysis, thermal stress analysis and local building code compliance.

Vitro Architectural Glass recommends a full size mock-up be reviewed under the specific job-site conditions and the mock-up be retained as a basis of acceptable final product.

Important glass design considerations and comprehensive technical information, including performance, thermal stress and wind load tools for all Vitro Glasses, are available at [www.VitroGlazings.com](http://www.VitroGlazings.com).

Construct custom glass units from a virtually unlimited number of glazing configurations at <http://Construct.VitroGlazings.com>.

<sup>2</sup>U-Value – A measure of the insulating characteristics of the glass or how much heat gain or loss occurs through the glass due to the difference between indoor and outdoor temperatures and is measured W/m<sup>2</sup>\*K. The lower the number, the better the insulating performance. This number is the reciprocal of the R-value. U-value performances are provided with both a 100% air-filled cavity and a 90% argon/10% air/gas mixture.

<sup>3</sup>Solar Heat Gain Coefficient (SHGC) – Measures how well a window blocks (or shades) the heat from sunlight. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits and the greater the shading ability. The SHGC is similar to the Shading Coefficient (SC), but also accounts for absorbed, converted and inwardly radiated solar energy.

<sup>4</sup>Light-to-solar gain (LSG) ratio is the ratio of Visible Light Transmittance to Solar Heat Gain Coefficient.

# Performance for Insulated Glass Units of 6mm Outer Lite + 12mm Airspace + 6mm Inner Lite

Table of Performance Values <sup>1</sup>																	
Glass Configuration 6mm + 12mm Gap + 6mm	UV%	Visible Light				Solar Energy					U-Values <sup>2</sup> W/m <sup>2</sup> *K						LSG <sup>4</sup>
		Trans%	Ref%		Ref%	Trans%	SF		SC	Win-NFRC		Sum-NFRC		EN673			
			Ext	Int			EN410	SHGC <sup>3</sup>		air	argon	air	argon	air	argon		

## SOLARBAN® 67 Double Silver Subtly Reflective Low-e Glasses

SOLARBAN® 67 (2) Clear + Clear	11	54	19	16	34	24	0.32	0.29	0.34	1.66	1.38	1.60	1.29	1.6	1.3	1.84
SOLARBAN® 67 (2) STARPHIRE® + STARPHIRE®	15	57	20	16	49	28	0.33	0.30	0.35	1.66	1.38	1.60	1.29	1.6	1.3	1.89
SOLARBAN® 67 (2) AZURIA® + Clear	8	42	13	16	9	16	0.24	0.23	0.26	1.66	1.38	1.60	1.29	1.6	1.3	1.81
SOLARBAN® 67 (2) ATLANTICA® + Clear	3	41	13	16	9	15	0.23	0.23	0.26	1.66	1.38	1.60	1.29	1.6	1.3	1.81
SOLARBAN® 67 (2) SOLEXIA® + Clear	6	47	16	16	13	19	0.28	0.26	0.29	1.66	1.38	1.60	1.29	1.6	1.3	1.83
SOLARBAN® 67 (2) OPTIBLUE® + Clear	8	39	12	15	27	19	0.27	0.25	0.28	1.66	1.38	1.60	1.29	1.6	1.3	1.57
SOLARBAN® 67 (2) PACIFICA® + Clear	3	26	8	15	8	11	0.20	0.19	0.22	1.66	1.38	1.60	1.29	1.6	1.3	1.37
SOLARBAN® 67 (2) SOLARBLUE® + Clear	6	34	10	15	15	16	0.24	0.23	0.26	1.66	1.38	1.60	1.29	1.6	1.3	1.50
SOLARBAN® 67 (2) SOLARBRONZE® + Clear	5	32	10	15	18	15	0.23	0.22	0.25	1.66	1.38	1.60	1.29	1.6	1.3	1.48
SOLARBAN® 67 (2) OPTIGRAY® + Clear	6	38	12	15	17	17	0.25	0.24	0.27	1.66	1.38	1.60	1.29	1.6	1.3	1.60
SOLARBAN® 67 (2) SOLARGRAY® + Clear	5	27	8	15	14	13	0.21	0.20	0.23	1.66	1.38	1.60	1.29	1.6	1.3	1.34

## SOLARBAN® z50 Double Silver Blue-Gray Low-e Glass

SOLARBAN® z50 (2) + Clear	14	51	8	11	23	26	0.34	0.33	0.37	1.66	1.38	1.60	1.29	1.6	1.3	1.56
---------------------------	----	----	---	----	----	----	------	------	------	------	------	------	------	-----	-----	------

## SOLARBAN® 60 Double Silver Neutral Low-e Glasses

SOLARBAN® 60 (2) Clear + Clear	18	70	11	12	28	34	0.42	0.39	0.45	1.66	1.38	1.60	1.29	1.6	1.3	1.80
SOLARBAN® 60 (2) STARPHIRE® + STARPHIRE®	24	74	11	12	41	39	0.44	0.41	0.48	1.66	1.38	1.60	1.29	1.6	1.3	1.80
SOLARBAN® 60 (2) AZURIA® + Clear	13	54	8	11	6	21	0.30	0.28	0.32	1.66	1.38	1.60	1.29	1.6	1.3	1.94
SOLARBAN® 60 (2) ATLANTICA® + Clear	5	53	8	11	7	20	0.29	0.28	0.32	1.66	1.38	1.60	1.29	1.6	1.3	1.94
SOLARBAN® 60 (2) SOLEXIA® + Clear	10	61	9	12	10	25	0.34	0.32	0.37	1.66	1.38	1.60	1.29	1.6	1.3	1.90
SOLARBAN® 60 (2) PACIFICA® + Clear	5	34	6	10	6	15	0.23	0.23	0.26	1.66	1.38	1.60	1.29	1.6	1.3	1.49
SOLARBAN® 60 (2) SOLARBLUE® + Clear	10	45	7	11	12	21	0.30	0.29	0.33	1.66	1.38	1.60	1.29	1.6	1.3	1.56
SOLARBAN® 60 (2) SOLARBRONZE® + Clear	8	42	7	11	15	21	0.29	0.28	0.32	1.66	1.38	1.60	1.29	1.6	1.3	1.51
SOLARBAN® 60 (2) OPTIGRAY® + Clear	10	50	8	11	14	23	0.33	0.30	0.35	1.66	1.38	1.60	1.29	1.6	1.3	1.64
SOLARBAN® 60 (2) SOLARGRAY® + Clear	8	35	6	10	12	18	0.26	0.25	0.29	1.66	1.38	1.60	1.29	1.6	1.3	1.40

## VISTACOO® Subtly Reflective Tinted Glasses

VISTACOO® (2) AZURIA® + Clear	29	47	21	32	11	22	0.35	0.34	0.39	2.70	2.54	2.84	2.71	2.8	2.7	1.39
VISTACOO® (2) AZURIA® + SOLARBAN® 60 (3) Clear	11	42	20	24	11	16	0.28	0.26	0.30	1.66	1.38	1.60	1.29	1.6	1.3	1.60
VISTACOO® (2) AZURIA® + SOLARBAN® 70XL (3) Clear	4	38	21	23	12	14	0.26	0.24	0.28	1.62	1.34	1.56	1.23	1.5	1.2	1.59
VISTACOO® (2) PACIFICA® + Clear	10	29	11	31	7	19	0.31	0.32	0.37	2.70	2.54	2.85	2.71	2.8	2.7	0.92
VISTACOO® (2) PACIFICA® + SOLARBAN® 60 (3) Clear	4	26	11	23	9	12	0.21	0.22	0.25	1.66	1.38	1.60	1.29	1.6	1.3	1.20
VISTACOO® (2) PACIFICA® + SOLARBAN® 70XL (3) Clear	1	24	11	22	9	9	0.19	0.19	0.22	1.62	1.34	1.56	1.23	1.5	1.2	1.22

## SOLARCOOL® Reflective Glasses

SOLARCOOL® (2) AZURIA® + Clear	10	24	20	38	10	12	0.23	0.25	0.29	2.71	2.55	2.85	2.72	2.8	2.7	0.96
SOLARCOOL® (2) PACIFICA® + Clear	4	15	10	38	7	11	0.22	0.25	0.29	2.71	2.55	2.85	2.72	2.8	2.7	0.60
SOLARCOOL® (2) SOLARBLUE® + Clear	7	20	15	38	11	19	0.33	0.33	0.37	2.71	2.55	2.85	2.72	2.8	2.7	0.61
SOLARCOOL® (2) SOLARBRONZE® + Clear	6	19	14	38	12	21	0.35	0.35	0.40	2.71	2.55	2.85	2.72	2.8	2.7	0.54
SOLARCOOL® (2) SOLARGRAY® + Clear	6	16	11	38	10	18	0.32	0.32	0.36	2.71	2.55	2.85	2.72	2.8	2.7	0.50

## Uncoated Glasses

Clear + Clear	50	79	15	15	12	61	0.71	0.70	0.81	2.70	2.55	2.85	2.72	2.8	2.7	1.13
STARPHIRE® + STARPHIRE®	77	84	15	15	14	80	0.82	0.82	0.94	2.70	2.55	2.85	2.72	2.8	2.7	1.02
AZURIA® + Clear	34	61	11	14	7	28	0.41	0.39	0.45	2.70	2.55	2.85	2.72	2.8	2.7	1.55
ATLANTICA® + Clear	13	60	11	14	6	29	0.41	0.41	0.47	2.70	2.55	2.85	2.72	2.8	2.7	1.48
SOLEXIA® + Clear	25	69	13	15	8	39	0.50	0.50	0.57	2.70	2.55	2.85	2.72	2.8	2.7	1.38
PACIFICA® + Clear	12	38	7	13	6	23	0.36	0.36	0.41	2.70	2.55	2.85	2.72	2.8	2.7	1.06
SOLARBLUE® + Clear	25	50	9	13	7	37	0.49	0.49	0.56	2.70	2.55	2.85	2.72	2.8	2.7	1.02
SOLARBRONZE® + Clear	21	47	8	13	7	39	0.49	0.51	0.59	2.70	2.55	2.85	2.72	2.8	2.7	0.93
OPTIGRAY® + Clear	27	56	10	13	8	41	0.52	0.52	0.60	2.70	2.55	2.85	2.72	2.8	2.7	1.07
SOLARGRAY® + Clear	20	40	7	13	7	33	0.44	0.46	0.53	2.70	2.55	2.85	2.72	2.8	2.7	0.87
GRAYLITE® II + Clear	2	8	4	12	4	7	0.19	0.22	0.25	2.70	2.55	2.85	2.72	2.8	2.7	0.36

## COVER

Busan Bank Headquarters

Location: Busan, Korea

Products: Solarban® R100 on Pacifica®, Solarban® 70XL

on Pacifica® and Solarban® 70XL on clear glasses

Vitro Certified™ Global Fabricator: Jasan Glass

Architect: Ilshin Architecture and Engineering

# Performance for Insulated Glass Units of 8mm Outer Lite + 12mm Airspace + 8mm Inner Lite

Table of Performance Values <sup>1</sup>																	
Glass Configuration 8mm + 12mm Gap + 8mm	UV%	Visible Light			Solar Energy					U-Values <sup>2</sup> W/m <sup>2</sup> *K						LSG <sup>4</sup>	
		Ref% <sup>3</sup>					SF				Win-NFRC		Sum-NFRC		EN673		
		Trans%	Ext	Int	Ref%	Trans%	EN410	SHGC <sup>3</sup>	SC	air	argon	air	argon	air	argon		

## SOLARBAN® 90 Quad Silver Neutral Low-e Glasses

SOLARBAN® 90 (2) Clear + Clear	6	50	12	19	32	18	0.26	0.24	0.27	1.62	1.34	1.56	1.24	1.5	1.2	2.11
SOLARBAN® 90 (2) STARPHIRE® + STARPHIRE®	9	54	13	19	53	21	0.26	0.23	0.27	1.62	1.34	1.56	1.24	1.5	1.2	2.31
SOLARBAN® 90 (2) AZURIA® + Clear	4	35	8	18	6	12	0.21	0.20	0.23	1.62	1.34	1.56	1.24	1.5	1.2	1.77
SOLARBAN® 90 (2) ATLANTICA® + Clear	1	34	8	18	6	11	0.19	0.19	0.22	1.62	1.34	1.56	1.24	1.5	1.2	1.79
SOLARBAN® 90 (2) SOLEXIA® + Clear	3	41	10	18	9	14	0.22	0.22	0.25	1.62	1.34	1.56	1.24	1.5	1.2	1.86
SOLARBAN® 90 (2) OPTIBLUE® + Clear	4	32	7	18	23	12	0.20	0.19	0.21	1.62	1.34	1.56	1.24	1.5	1.2	1.70
SOLARBAN® 90 (2) PACIFICA® + Clear	1	18	5	18	6	7	0.15	0.15	0.17	1.62	1.34	1.56	1.24	1.5	1.2	1.21
SOLARBAN® 90 (2) SOLARBLUE® + Clear	3	26	7	18	11	10	0.18	0.18	0.20	1.62	1.34	1.56	1.24	1.5	1.2	1.50
SOLARBAN® 90 (2) SOLARBRONZE® + Clear	2	24	6	18	14	9	0.16	0.16	0.19	1.62	1.34	1.56	1.24	1.5	1.2	1.49
SOLARBAN® 90 (2) OPTIGRAY® + Clear	3	31	7	18	13	11	0.19	0.19	0.21	1.62	1.34	1.56	1.24	1.5	1.2	1.66
SOLARBAN® 90 (2) SOLARGRAY® + Clear	2	19	6	18	10	7	0.15	0.15	0.17	1.62	1.34	1.56	1.24	1.5	1.2	1.26

## SOLARBAN® 72 Triple Silver Neutral Low Iron Ultra-Clear Low-e Glass

SOLARBAN® 72 (2) STARPHIRE® + STARPHIRE®	9	71	13	13	51	28	0.34	0.30	0.35	1.62	1.34	1.56	1.24	1.5	1.2	2.35
--	---	----	----	----	----	----	------	------	------	------	------	------	------	-----	-----	------

## SOLARBAN® 70XL Triple Silver Neutral Low-e Glasses

SOLARBAN® 70XL (2) Clear + Clear	6	63	12	13	51	24	0.31	0.27	0.32	1.61	1.33	1.55	1.23	1.5	1.2	2.29
SOLARBAN® 70XL (2) AZURIA® + Clear	4	46	8	12	6	16	0.26	0.23	0.27	1.61	1.33	1.55	1.23	1.5	1.2	1.97
SOLARBAN® 70XL (2) ATLANTICA® + Clear	1	45	8	12	6	15	0.23	0.22	0.25	1.61	1.33	1.55	1.23	1.5	1.2	2.02
SOLARBAN® 70XL (2) SOLEXIA® + Clear	3	54	10	12	9	19	0.28	0.26	0.30	1.61	1.33	1.55	1.23	1.5	1.2	2.09
SOLARBAN® 70XL (2) PACIFICA® + Clear	1	24	5	11	6	9	0.17	0.17	0.19	1.61	1.33	1.55	1.23	1.5	1.2	1.39
SOLARBAN® 70XL (2) SOLARBLUE® + Clear	3	34	7	12	11	13	0.22	0.21	0.24	1.61	1.33	1.55	1.23	1.5	1.2	1.66
SOLARBAN® 70XL (2) SOLARBRONZE® + Clear	2	32	6	11	13	12	0.20	0.19	0.22	1.61	1.33	1.55	1.23	1.5	1.2	1.65
SOLARBAN® 70XL (2) OPTIGRAY® + Clear	3	40	7	12	12	15	0.23	0.22	0.25	1.61	1.33	1.55	1.23	1.5	1.2	1.82
SOLARBAN® 70XL (2) SOLARGRAY® + Clear	2	25	5	11	10	10	0.18	0.17	0.20	1.61	1.33	1.55	1.23	1.5	1.2	1.43

## SOLARBAN® z75 Triple Silver Blue-Gray Low-e Glass

SOLARBAN® z75 (2) + Clear	5	41	7	12	23	16	0.25	0.23	0.26	1.61	1.33	1.55	1.23	1.5	1.2	1.82
---------------------------	---	----	---	----	----	----	------	------	------	------	------	------	------	-----	-----	------

## SOLARBAN® R100 Triple Silver Reflective Low-e Glasses

SOLARBAN® R100 (2) Clear + Clear	10	40	31	13	36	18	0.26	0.23	0.27	1.65	1.37	1.60	1.28	1.6	1.3	1.74
SOLARBAN® R100 (2) STARPHIRE® + STARPHIRE®	16	43	33	14	55	21	0.26	0.24	0.27	1.65	1.37	1.60	1.28	1.6	1.3	1.84
SOLARBAN® R100 (2) AZURIA® + Clear	6	28	18	13	9	11	0.19	0.18	0.21	1.65	1.37	1.60	1.28	1.6	1.3	1.55
SOLARBAN® R100 (2) ATLANTICA® + Clear	2	28	17	13	9	10	0.18	0.18	0.20	1.65	1.37	1.60	1.28	1.6	1.3	1.56
SOLARBAN® R100 (2) SOLEXIA® + Clear	4	33	23	13	13	13	0.21	0.20	0.23	1.65	1.37	1.60	1.28	1.6	1.3	1.65
SOLARBAN® R100 (2) OPTIBLUE® + Clear	7	26	15	13	24	12	0.20	0.19	0.22	1.65	1.37	1.60	1.28	1.6	1.3	1.34
SOLARBAN® R100 (2) PACIFICA® + Clear	2	15	8	13	7	6	0.15	0.15	0.17	1.65	1.37	1.60	1.28	1.6	1.3	1.01
SOLARBAN® R100 (2) SOLARBLUE® + Clear	5	21	12	13	12	10	0.18	0.18	0.20	1.65	1.37	1.60	1.28	1.6	1.3	1.22
SOLARBAN® R100 (2) SOLARBRONZE® + Clear	3	20	11	13	14	9	0.17	0.17	0.19	1.65	1.37	1.60	1.28	1.6	1.3	1.18
SOLARBAN® R100 (2) OPTIGRAY® + Clear	5	25	15	13	14	11	0.20	0.18	0.21	1.65	1.37	1.60	1.28	1.6	1.3	1.35
SOLARBAN® R100 (2) SOLARGRAY® + Clear	3	15	9	13	11	7	0.15	0.15	0.18	1.65	1.37	1.60	1.28	1.6	1.3	1.00

## SOLARBAN® 67 Double Silver Subtly Reflective Low-e Glasses

SOLARBAN® 67 (2) Clear + Clear	10	52	19	16	29	23	0.32	0.29	0.33	1.64	1.37	1.59	1.28	1.6	1.3	1.81
SOLARBAN® 67 (2) STARPHIRE® + STARPHIRE®	15	56	20	16	47	27	0.33	0.30	0.35	1.64	1.37	1.59	1.28	1.6	1.3	1.88
SOLARBAN® 67 (2) AZURIA® + Clear	6	37	12	15	7	13	0.23	0.21	0.24	1.64	1.37	1.59	1.28	1.6	1.3	1.75
SOLARBAN® 67 (2) ATLANTICA® + Clear	2	36	11	15	7	13	0.21	0.20	0.23	1.64	1.37	1.59	1.28	1.6	1.3	1.76
SOLARBAN® 67 (2) SOLEXIA® + Clear	4	43	15	15	10	16	0.25	0.24	0.28	1.64	1.37	1.59	1.28	1.6	1.3	1.81
SOLARBAN® 67 (2) OPTIBLUE® + Clear	7	33	10	15	21	16	0.24	0.23	0.26	1.64	1.37	1.59	1.28	1.6	1.3	1.45
SOLARBAN® 67 (2) PACIFICA® + Clear	2	19	6	15	6	8	0.17	0.16	0.19	1.64	1.37	1.59	1.28	1.6	1.3	1.17
SOLARBAN® 67 (2) SOLARBLUE® + Clear	5	28	9	15	10	13	0.21	0.20	0.23	1.64	1.37	1.59	1.28	1.6	1.3	1.36
SOLARBAN® 67 (2) SOLARBRONZE® + Clear	3	26	8	15	13	12	0.20	0.19	0.22	1.64	1.37	1.59	1.28	1.6	1.3	1.32
SOLARBAN® 67 (2) OPTIGRAY® + Clear	5	32	10	15	12	14	0.24	0.22	0.25	1.64	1.37	1.59	1.28	1.6	1.3	1.49
SOLARBAN® 67 (2) SOLARGRAY® + Clear	3	20	7	15	10	9	0.18	0.18	0.20	1.64	1.37	1.59	1.28	1.6	1.3	1.14

## SOLARBAN® z50 Double Silver Blue-Gray Low-e Glass

SOLARBAN® z50 (2) + Clear	11	44	7	11	18	22	0.32	0.30	0.34	1.64	1.37	1.59	1.28	1.6	1.3	1.47
---------------------------	----	----	---	----	----	----	------	------	------	------	------	------	------	-----	-----	------

## SOLARBAN® 60 Double Silver Neutral Low-e Glasses

SOLARBAN® 60 (2) Clear + Clear	16	69	11	12	24	31	0.42	0.38	0.44	1.64	1.37	1.59	1.28	1.6	1.3	1.80
SOLARBAN® 60 (2) STARPHIRE® + STARPHIRE®	24	74	11	12	39	39	0.44	0.41	0.47	1.64	1.37	1.59	1.28	1.6	1.3	1.79
SOLARBAN® 60 (2) AZURIA® + Clear	11	48	8	11	6	18	0.27	0.25	0.29	1.64	1.37	1.59	1.28	1.6	1.3	1.90
SOLARBAN® 60 (2) ATLANTICA® + Clear	3	47	7	11	6	17	0.26	0.24	0.28	1.64	1.37	1.59	1.28	1.6	1.3	1.92
SOLARBAN® 60 (2) SOLEXIA® + Clear	7	57	9	11	8	22	0.32	0.30	0.34	1.64	1.37	1.59	1.28	1.6	1.3	1.92
SOLARBAN® 60 (2) PACIFICA® + Clear	3	25	5	10	5	11	0.20	0.19	0.22	1.64	1.37	1.59	1.28	1.6	1.3	1.31
SOLARBAN® 60 (2) SOLARBLUE® + Clear	7	36	6	10	9	17	0.26	0.25	0.29	1.64	1.37	1.59	1.28	1.6	1.3	1.45
SOLARBAN® 60 (2) SOLARBRONZE® + Clear	6	34	6	10	11	16	0.25	0.24	0.28	1.64	1.37	1.59	1.28	1.6	1.3	1.39
SOLARBAN® 60 (2) OPTIGRAY® + Clear	8	42	7	10	10	19	0.29	0.27	0.31	1.64	1.37	1.59	1.28	1.6	1.3	1.57
SOLARBAN® 60 (2) SOLARGRAY® + Clear	5	26	5	10	8	13	0.22	0.21	0.24	1.64	1.37	1.59	1.28	1.6	1.3	1.23

## Performance for Insulated Glass Units of 4mm Outer Lite + 12mm Airspace + 4mm Inner Lite

Table of Performance Values <sup>1</sup>																	
Glass Configuration 4mm+12mmGap+4mm	UV%	Visible Light			Solar Energy					U-Values <sup>2</sup> W/m <sup>2</sup> *K						LSG <sup>4</sup>	
		Ref% <sup>3</sup>					SF				Win-NFRC		Sum-NFRC		EN673		
		Trans%	Ext	Int	Ref%	Trans%	EN410	SHGC <sup>3</sup>	SC	air	argon	air	argon	air	argon		

### SOLARBAN® Solar Control Low-E Glasses

SOLARBAN® 90 (2) Clear + Clear	8	52	12	19	43	20	0.26	0.23	0.27	1.65	1.36	1.58	1.26	1.6	1.2	2.23
SOLARBAN® 90 (2) STARPHIRE® + STARPHIRE®	10	54	13	20	56	21	0.26	0.23	0.26	1.65	1.36	1.58	1.26	1.6	1.2	2.35
SOLARBAN® 72 (2) STARPHIRE® + STARPHIRE®	9	71	13	13	54	28	0.34	0.30	0.34	1.64	1.36	1.58	1.25	1.6	1.2	2.38
SOLARBAN® 70XL (2) Clear + Clear	6	64	12	13	54	25	0.31	0.28	0.32	1.63	1.35	1.56	1.24	1.6	1.2	2.36
SOLARBAN® R100 (2) Clear + Clear	13	42	33	14	46	20	0.26	0.23	0.27	1.67	1.39	1.62	1.30	1.6	1.2	1.81
SOLARBAN® R100 (2) STARPHIRE® + STARPHIRE®	17	44	33	14	58	22	0.26	0.24	0.27	1.67	1.39	1.62	1.30	1.6	1.2	1.87
SOLARBAN® 67 (2) Clear + Clear	12	55	19	16	39	25	0.32	0.29	0.34	1.67	1.39	1.61	1.30	1.6	1.2	1.86
SOLARBAN® 67 (2) STARPHIRE® + STARPHIRE®	16	57	19	16	50	28	0.33	0.30	0.35	1.67	1.39	1.61	1.30	1.6	1.2	1.90
SOLARBAN® 60 (2) Clear + Clear	20	72	11	12	32	35	0.43	0.40	0.46	1.67	1.39	1.61	1.29	1.6	1.2	1.80
SOLARBAN® 60 (2) STARPHIRE® + STARPHIRE®	25	75	11	12	42	40	0.45	0.42	0.48	1.67	1.39	1.61	1.29	1.6	1.2	1.80

### SOLARCOOL® Reflective Glasses

SOLARCOOL® (2) AZURIA® + Clear	12	26	22	39	11	16	0.27	0.29	0.33	2.74	2.59	2.88	2.76	2.8	2.7	0.92
SOLARCOOL® (2) PACIFICA® + Clear	6	19	14	39	9	16	0.27	0.29	0.34	2.74	2.59	2.88	2.76	2.8	2.7	0.64
SOLARCOOL® (2) SOLARBLUE® + Clear	10	23	18	39	14	25	0.34	0.37	0.42	2.74	2.59	2.88	2.76	2.8	2.7	0.63
SOLARCOOL® (2) SOLARBRONZE® + Clear	8	22	17	39	15	27	0.35	0.38	0.44	2.74	2.59	2.88	2.76	2.8	2.7	0.58
SOLARCOOL® (2) SOLARGRAY® + Clear	8	20	15	39	13	24	0.33	0.36	0.41	2.74	2.59	2.88	2.76	2.8	2.7	0.55

## Performance for Monolithic Laminates in 6mm Outer Lite + 1.52 PVB + 6mm Inner Lite

Table of Performance Values <sup>1</sup>																
Glass Configuration 6mm + 1.52mm PVB + 6mm	UV%	Visible Light			Solar Energy					U-Values <sup>2</sup> W/m <sup>2</sup> *K						LSG <sup>4</sup>
		Reflectance % <sup>3</sup>					SF				Win-NFRC	Sum-NFRC	EN673			
		Trans%	Ext	Int	Ref%	Trans%	EN410	SHGC <sup>3</sup>	SC	Win-NFRC	Sum-NFRC	EN673				

### SOLARBAN® Solar Control Low-E Glasses

SOLARBAN® 90 (2) Clear + Clear	0	45	14	25	39	16	0.31	0.31	0.36	5.40	4.91	5.4	1.45
SOLARBAN® 90 (2) STARPHIRE® + STARPHIRE®	0	48	15	27	56	18	0.28	0.26	0.30	5.40	4.91	5.4	1.85
SOLARBAN® 72 (2) STARPHIRE® + STARPHIRE®	0	69	15	17	54	26	0.36	0.32	0.37	5.40	4.91	5.4	2.12
SOLARBAN® 70XL (2) Clear + Clear	0	60	14	16	50	23	0.34	0.31	0.36	5.40	4.91	5.4	1.92
SOLARBAN® 70XL (2) OPTIGRAY® + Clear	0	42	9	15	17	15	0.35	0.38	0.43	5.40	4.91	5.4	1.10
SOLARBAN® z75 (2) + Clear	0	47	10	16	30	18	0.35	0.35	0.40	5.40	4.91	5.4	1.34
SOLARBAN® R100 (2) Clear + Clear	0	42	28	11	42	17	0.31	0.31	0.35	5.40	4.91	5.4	1.38
SOLARBAN® R100 (2) STARPHIRE® + STARPHIRE®	0	44	29	11	58	20	0.29	0.27	0.31	5.40	4.91	5.4	1.66
SOLARBAN® R100 (2) OPTIBLUE® + Clear	0	30	16	11	31	13	0.31	0.31	0.36	5.40	4.91	5.4	0.98
SOLARBAN® R100 (2) OPTIGRAY® + Clear	0	30	16	11	20	12	0.31	0.34	0.40	5.40	4.91	5.4	0.87
SOLARBAN® 67 (2) Clear + Clear	0	52	15	13	35	22	0.35	0.36	0.41	5.40	4.91	5.4	1.44
SOLARBAN® 67 (2) STARPHIRE® + STARPHIRE®	0	56	16	14	50	25	0.34	0.33	0.38	5.40	4.91	5.4	1.70
SOLARBAN® z50 (2) + Clear	0	52	7	8	22	25	0.43	0.42	0.49	5.40	4.91	5.4	1.22
SOLARBAN® 60 (2) Clear + Clear	0	72	9	10	28	33	0.47	0.45	0.52	5.40	4.91	5.4	1.59
SOLARBAN® 60 (2) STARPHIRE® + STARPHIRE®	0	76	9	10	40	38	0.48	0.45	0.51	5.40	4.91	5.4	1.69
SOLARBAN® 60 (2) OPTIGRAY® + Clear	0	51	7	8	14	23	0.41	0.50	0.44	5.40	4.91	5.4	1.02

### VISTACOOOL® Subtly Reflective Glasses

VISTACOOOL® (2) AZURIA® + Clear	0	56	14	20	8	24	0.45	0.46	0.53	5.40	4.91	5.4	1.22
VISTACOOOL® (2) PACIFICA® + Clear	0	35	8	19	6	20	0.42	0.44	0.51	5.40	4.91	5.4	0.79

### SOLARCOOL® Reflective Glasses

SOLARCOOL® (2) AZURIA® + Clear	0	30	16	23	8	13	0.34	0.39	0.45	5.40	4.91	5.3	0.77
SOLARCOOL® (2) PACIFICA® + Clear	0	19	9	23	6	12	0.33	0.39	0.45	5.40	4.91	5.3	0.49
SOLARCOOL® (2) SOLARBLUE® + Clear	0	25	12	23	9	21	0.39	0.44	0.51	5.40	4.91	5.3	0.57
SOLARCOOL® (2) SOLARBRONZE® + Clear	0	24	11	23	9	23	0.40	0.45	0.52	5.40	4.91	5.3	0.53
SOLARCOOL® (2) SOLARGRAY® + Clear	0	20	9	23	8	19	0.37	0.43	0.50	5.40	4.91	5.3	0.47

# Performance for Monolithic Glasses

Table of Performance Values <sup>1</sup>								
Thickness mm	Visible Light			Solar Energy	U-Values <sup>2</sup> W/m <sup>2</sup> *K		LSG <sup>4</sup>	
	Trans%	Reflectance %		SHGC <sup>3</sup>	Win-NFRC	Sum-NFRC		
		Ext	Int					
<b>Uncoated</b>								
<b>STARPHIRE Ultra Clear™ Glass</b>								
3	91	8	8	0.91	5.90	5.32	1.00	
4	91	8	8	0.91	5.88	5.31	1.00	
5	91	8	8	0.90	5.86	5.28	1.01	
6	91	8	8	0.90	5.82	5.27	1.01	
8	91	8	8	0.89	5.74	5.20	1.02	
10	91	8	8	0.89	5.69	5.16	1.02	
12	90	8	8	0.88	5.59	5.05	1.02	
16	90	8	8	0.87	5.49	4.97	1.03	
19	90	8	8	0.86	5.39	4.89	1.05	
<b>Clear Glass</b>								
3	90	9	9	0.86	5.90	5.32	1.05	
4	90	9	9	0.84	5.88	5.31	1.07	
5	89	9	9	0.83	5.86	5.28	1.07	
6	89	8	9	0.82	5.82	5.27	1.08	
8	87	8	8	0.79	5.74	5.20	1.11	
10	87	8	8	0.77	5.69	5.16	1.13	
12	85	8	8	0.73	5.59	5.05	1.16	
16	84	8	8	0.70	5.49	4.97	1.20	
19	83	8	8	0.67	5.39	4.89	1.24	
<b>AZURIA® Glass</b>								
4	75	7	7	0.57	5.88	5.31	1.32	
5	72	7	7	0.54	5.86	5.28	1.33	
6	68	7	7	0.52	5.82	5.27	1.31	
8	61	6	6	0.48	5.74	5.20	1.28	
10	57	6	6	0.46	5.69	5.16	1.24	
<b>ATLANTICA® Glass</b>								
6	67	7	7	0.53	5.82	5.27	1.27	
<b>SOLEXIA® Glass</b>								
3	83	8	8	0.70	5.90	5.32	1.19	
4	81	8	8	0.68	5.88	5.31	1.19	
5	79	8	8	0.65	5.86	5.28	1.22	
6	77	8	8	0.62	5.82	5.27	1.25	
<b>PACIFICA® Glass</b>								
6	42	5	5	0.49	5.82	5.27	0.87	
8	32	5	5	0.43	5.74	5.20	0.73	
<b>SOLARBLUE® Glass</b>								
6	56	6	6	0.61	5.82	5.27	0.91	
<b>SOLARBRONZE® Glass</b>								
3	67	7	7	0.73	5.90	5.32	0.92	
4	63	7	7	0.70	5.88	5.31	0.90	
5	58	6	6	0.67	5.86	5.28	0.87	
6	53	6	6	0.63	5.82	5.27	0.84	
8	43	6	6	0.57	5.74	5.20	0.75	
10	37	5	6	0.53	5.69	5.16	0.70	
12	27	5	5	0.47	5.59	5.05	0.57	
<b>OPTIGRAY® Glass</b>								
6	63	6	6	0.65	5.82	5.25	0.97	
<b>SOLARGRAY® Glass</b>								
3	60	6	7	0.69	5.90	5.32	0.87	
4	56	6	7	0.66	5.88	5.31	0.85	
5	50	6	6	0.62	5.86	5.28	0.81	
6	44	6	6	0.58	5.82	5.27	0.76	
8	33	5	6	0.51	5.74	5.20	0.65	
10	28	5	5	0.48	5.69	5.16	0.58	
12	18	5	5	0.42	5.59	5.05	0.43	
<b>GRAYLITE® II Glass</b>								
3	24	5	5	0.45	5.90	5.32	0.53	
4	18	4	5	0.41	5.88	5.31	0.44	
5	13	4	5	0.39	5.86	5.28	0.33	
6	9	4	5	0.36	5.82	5.27	0.25	

## Performance for Monolithic Glasses

Table of Performance Values <sup>1</sup>								
Thickness mm	Visible Light			Solar Energy	U-Values <sup>2</sup> W/m <sup>2</sup> *K		LSG <sup>4</sup>	
	Trans%	Reflectance %		SHGC <sup>3</sup>	Win-NFRC	Sum-NFRC		
		Ext	Int					
<b>Reflective Coated Tinted Glasses</b>								
<b>VISTACOO<sup>®</sup> (2) AZURIA<sup>®</sup> Glass</b>								
6	52	19	29	0.46	5.80	5.23	1.14	
8	46	16	29	0.43	5.72	5.17	1.09	
<b>VISTACOO<sup>®</sup> (2) PACIFICA<sup>®</sup> Glass</b>								
6	32	10	28	0.44	5.82	5.25	0.73	
8	24	8	28	0.40	5.72	5.16	0.60	
<b>SOLARCOOL<sup>®</sup> (2) AZURIA<sup>®</sup> Glass</b>								
6	26	19	36	0.38	5.85	5.30	0.68	
<b>SOLARCOOL<sup>®</sup> (1) AZURIA<sup>®</sup> Glass</b>								
6	26	36	19	0.31	5.85	5.30	0.84	
<b>SOLARCOOL<sup>®</sup> (2) PACIFICA<sup>®</sup> Glass</b>								
6	16	10	36	0.38	5.85	5.30	0.42	
<b>SOLARCOOL<sup>®</sup> (1) PACIFICA<sup>®</sup> Glass</b>								
6	16	36	10	0.31	5.85	5.30	0.52	
<b>SOLARCOOL<sup>®</sup> (2) SOLARBLUE<sup>®</sup> Glass</b>								
6	21	14	36	0.45	5.85	5.30	0.47	
<b>SOLARCOOL<sup>®</sup> (1) SOLARBLUE<sup>®</sup> Glass</b>								
6	21	36	14	0.38	5.85	5.30	0.55	
<b>SOLARCOOL<sup>®</sup> (2) SOLARBRONZE<sup>®</sup> Glass</b>								
6	21	13	36	0.47	5.85	5.30	0.45	
<b>SOLARCOOL<sup>®</sup> (1) SOLARBRONZE<sup>®</sup> Glass</b>								
6	21	36	13	0.40	5.85	5.30	0.53	
<b>SOLARCOOL<sup>®</sup> (2) SOLARGRAY<sup>®</sup> Glass</b>								
6	17	11	36	0.44	5.85	5.30	0.39	
<b>SOLARCOOL<sup>®</sup> (1) SOLARGRAY<sup>®</sup> Glass</b>								
6	17	36	11	0.37	5.85	5.30	0.46	

## Specialty Glass Products

### PAVIA<sup>®</sup> Acid-Etched Glass

Introducing acid-etched *Pavia*<sup>®</sup> glass from Vitro Architectural Glass. *Pavia*<sup>®</sup> is attained through a special acid-etch treatment process which is applied to either one or both surfaces of the glass for a soft, translucent look. The process can be uniform with 100% coverage or be done in a specific design pattern. *Pavia*<sup>®</sup> can be created with clear, *Starphire Ultra-Clear*<sup>™</sup> glass or tinted glasses.

### PLATIA<sup>®</sup> Mirror Glass

Using industry-leading technology, Vitro Architectural Glass is producing *Platia*<sup>®</sup> mirror glass with 0% copper and 0% lead. *Platia*<sup>®</sup> mirrors are seven times more resistant to corrosion and three times more resistant to scratches, chips and aging. Easy to process and cut, *Platia*<sup>®</sup> mirrors substantially exceed the requirements defined for mirrors in buildings (standards: EN 1036, ISO 25537 and ASTM 1036).

### CLARVISTA<sup>™</sup> Shower Glass

Make the beauty of a new glass enclosure last with the timeless clarity of *Clarvista* glass. *Clarvista* glass provides a permanent protective coating that keeps new glass enclosures looking sparkling clear by preventing the dullness that can come from heat and humidity over time. Ideal for use in showers, spas, balustrades. Available with *Starphire Ultra-Clear*<sup>™</sup> glass or clear glass. Visit [Clarvista.com](http://Clarvista.com) for more info.

©2017 Vitro Architectural Glass. All rights reserved. Atlantica, Azuria, Graylite, Optiblue, Optigray, Pacifica, Pavia, Platia, Solarban, the Solarban logo, Solarblue, Solarbronze, Solarcool, Sollexia, Starphire, the Starphire logo, and Vistacool are registered trademarks owned by Vitro. Clarvista, Starphire Ultra-Clear, Vitro Certified and the Vitro Certified logo are trademarks owned by Vitro.

The PPG logo is a registered trademark of PPG Industries Ohio, Inc.

LEED – an acronym for the phrase "Leadership in Energy and Environmental Design" – is a registered trademark of the United States Green Building Council. Cradle to Cradle Certified is a trademark licensed by the Cradle to Cradle Products Innovation Institute.

Printed in the USA Sept-2017



Vitro Architectural Glass (formerly PPG Glass), North America's largest glass producer, is exclusively dedicated to glass innovation and fueled by the same people, plants and products that made PPG Glass one of the industry's most respected and reliable commercial glass manufacturers.

Now operating under a global company exclusively committed to growing its core glass business, architects can expect accelerated research and development efforts in addition to greater capacity in years to come.



Vitro's mission is to provide high-performance coated glass products and services to the global construction industry. This is achieved through the *Vitro Certified*™ Network. With fabricator members around the globe, the *Vitro Certified*™ International Fabricator Program is providing the building owner and architect with confidence that glass products will meet both industry and Vitro's quality standards.



Vitro Architectural Glass is committed to environmental sustainability. Throughout its history as PPG Flat Glass, Vitro Glass raised the bar, becoming the first U.S. glass manufacturer to achieve Cradle to Cradle® Certification for its entire collection of architectural glasses. Vitro Glass products also assist architects in achieving LEED® certification for their building projects in seven credit categories under LEED® v4, the most recent version of the rating system.



As members of the Green City Alliance, Vitro Architectural Glass and local glass producers have joined together to provide cost-competitive manufacturing and fabrication of environmentally advanced *Solarban*® low-e glass products to emerging markets around the globe.



A collection of energy efficient low-e glasses are available for Europe and conform with CE standards. This includes triple silver *Solarban*® 72, *Starphire*®, *Solarban*® 70XL and *Solarban*® z75 glasses, as well as *Solarban*® 60 and *Solarban*® z50 glasses. The unparalleled clarity of *Starphire Ultra-Clear*™ glass is also available coated and uncoated. For a complete list of products that conform with CE standards, visit [www.VitroGlazings.com](http://www.VitroGlazings.com).

**Vitro Architectural Glass**  
Glass Technology Center  
400 Guys Run Road  
Pittsburgh, PA 15024 USA  
[www.VitroGlazings.com](http://www.VitroGlazings.com)  
1.855.887.6457