

Solarban® 60 Monolithic Laminated Glass Performance

SOLARBAN® 60 – thicknesses as shown below													
Thicknesses		Transmittance			Reflectance		U-Value (Imperial)		K-Value (Metric)		Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
Inches	mm	Ultra-violet %	Visible %	Total Solar Energy %	Visible Light %	Total Solar Energy %	Winter Night-time	Summer Day-time	Winter Night-time	Summer Day-time			
Outdoor Lite as Noted Below + 0.100" Clear PVB + Solarban 60 (3) Coated Glass (Except Clear and Starphire - Coating on #2 Surface)													
Clear													
1/8	3	0	73	35	9	34	0.95	0.85	5.40	4.88	0.51	0.44	1.66
5/32	4	0	73	34	9	32	0.95	0.86	5.40	4.88	0.51	0.44	1.66
3/16	5	0	72	33	9	30	0.94	0.85	5.34	4.83	0.52	0.45	1.61
1/4	6	0	71	32	10	28	0.93	0.84	5.28	4.77	0.52	0.45	1.59
STARPHIRE®													
1/8	3	0	75	38	9	42	0.95	0.86	5.40	4.88	0.51	0.44	1.66
5/32	4	0	75	38	9	42	0.95	0.86	5.40	4.88	0.51	0.44	1.71
3/16	5	0	75	38	9	41	0.94	0.85	5.34	4.83	0.51	0.44	1.71
1/4	6	0	75	38	9	41	0.93	0.85	5.30	4.81	0.51	0.44	1.72
SOLARGRAY®													
1/8	3	0	49	24	7	15	0.95	0.86	5.40	4.88	0.50	0.43	1.14
5/32	4	0	45	22	7	13	0.95	0.86	5.40	4.88	0.50	0.43	1.05
3/16	5	0	41	20	6	12	0.94	0.85	5.34	4.83	0.49	0.42	0.97
1/4	6	0	36	17	6	10	0.93	0.84	5.28	4.77	0.48	0.41	0.87
SOLEXIA™													
1/8	3	0	68	29	9	13	0.95	0.86	5.40	4.88	0.55	0.47	1.44
5/32	4	0	66	28	9	11	0.95	0.86	5.40	4.88	0.55	0.47	1.40
3/16	5	0	64	26	9	10	0.94	0.85	5.34	4.83	0.54	0.46	1.38
1/4	6	0	62	25	8	8	0.93	0.84	5.28	4.77	0.54	0.46	1.35
ATLANTICA™													
1/8	3	0	63	25	8	9	0.95	0.86	5.40	4.88	0.54	0.46	1.36
5/32	4	0	58	22	8	7	0.95	0.86	5.40	4.88	0.52	0.45	1.30
3/16	5	0	58	22	8	7	0.94	0.85	5.34	4.83	0.52	0.45	1.30
1/4	6	0	54	20	7	6	0.93	0.84	5.28	4.77	0.51	0.44	1.23
CARIBIA®													
1/8	3	0	63	25	8	8	0.95	0.86	5.40	4.88	0.54	0.46	1.36
5/32	4	0	60	23	8	7	0.95	0.86	5.40	4.88	0.53	0.46	1.32
3/16	5	0	58	22	8	6	0.94	0.85	5.34	4.83	0.52	0.45	1.30
1/4	6	0	55	20	7	6	0.93	0.84	5.28	4.77	0.51	0.44	1.25
AZURIA™													
1/8	3	0	63	25	8	8	0.95	0.86	5.40	4.88	0.54	0.46	1.36
5/32	4	0	61	23	8	7	0.95	0.86	5.40	4.88	0.53	0.46	1.34
3/16	5	0	59	22	8	6	0.95	0.85	5.34	4.83	0.52	0.45	1.30
1/4	6	0	55	20	7	6	0.93	0.84	5.28	4.77	0.51	0.44	1.25
SOLARBronze®													
1/8	3	0	55	26	7	18	0.95	0.86	5.40	4.88	0.51	0.44	1.25
5/32	4	0	51	24	7	16	0.95	0.86	5.40	4.88	0.50	0.43	1.19
3/16	5	0	47	22	7	14	0.94	0.85	5.34	4.83	0.50	0.43	1.09
1/4	6	0	43	20	6	12	0.93	0.84	5.28	4.77	0.49	0.42	1.02
GRAYLITE®													
1/8	3	0	25	15	5	13	0.95	0.86	5.40	4.88	0.44	0.38	0.66
1/4	6	0	11	7	5	8	0.93	0.84	5.28	4.77	0.41	0.35	0.31

Performance data simulated using LBL Optics 5 and Window 5.2. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgglazing.com or request our Architectural Glass Catalog.

For more data on laminated Solarban 60 glass, visit www.ppgglazing.com or call 1-888-PPG-IDEA.

Selected *Solarban*® 60 Monolithic Laminated Glass Performance

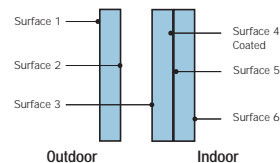
<i>SOLARBAN</i> ® 60 – thicknesses as shown below														
Thicknesses		Transmittance			Reflectance		U-Value (Imperial)		K-Value (Metric)		Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)	
Inches	mm	Ultra-violet %	Visible %	Total Solar Energy %	Visible Light %	Total Solar Energy %	Winter Night-time	Summer Day-time	Winter Night-time	Summer Day-time				
Outdoor Lite as Noted Below + 0.030" Clear PVB + <i>Solarban</i> 60 (3) Coated Glass (Except Clear and Starphire - Coating on #2 Surface)														
Clear														
1/8	3	0	74	35	10	31	1.00	0.90	5.68	5.11	0.52	0.45	1.65	
5/32	4	0	74	35	10	30	0.99	0.90	5.62	5.11	0.52	0.45	1.65	
3/16	5	0	73	34	10	28	0.98	0.89	5.57	5.06	0.52	0.45	1.63	
1/4	6	0	72	33	10	26	0.97	0.88	5.51	5.00	0.52	0.45	1.61	
<i>STARPHIRE</i> ®														
1/8	3	0	76	39	9	42	1.00	0.90	5.60	5.11	0.51	0.44	1.73	
5/32	4	0	76	39	9	42	0.99	0.90	5.62	5.11	0.51	0.44	1.73	
3/16	5	0	76	39	9	41	0.98	0.89	5.57	5.06	0.51	0.44	1.73	
1/4	6	0	76	38	9	41	0.97	0.89	5.51	5.06	0.51	0.44	1.73	
<i>SOLARGRAY</i> ®														
1/8	3	0	50	25	7	18	1.00	0.90	5.68	5.11	0.49	0.42	1.19	
5/32	4	0	46	22	7	15	0.99	0.90	5.62	5.11	0.49	0.42	1.09	
3/16	5	0	41	20	6	13	0.98	0.89	5.57	5.06	0.48	0.41	0.99	
1/4	6	0	36	18	6	11	0.97	0.88	5.51	5.00	0.47	0.40	0.89	
<i>SOLEXIA</i> ™														
1/8	3	0	68	30	9	15	1.00	0.90	5.68	5.11	0.54	0.47	1.45	
5/32	4	0	67	28	9	13	0.99	0.90	5.62	5.11	0.54	0.46	1.44	
3/16	5	0	65	27	9	11	0.98	0.89	5.57	5.06	0.54	0.46	1.40	
1/4	6	0	63	25	8	9	0.97	0.88	5.51	5.00	0.53	0.46	1.38	
<i>ATLANTICA</i> ™														
3/16	5	0	58	22	8	7	0.98	0.89	5.57	5.06	0.52	0.44	1.31	
1/4	6	0	55	20	8	6	0.97	0.88	5.51	5.00	0.51	0.43	1.27	
<i>AZURIA</i> ™														
1/8	3	0	64	25	9	7	1.00	0.90	5.68	5.11	0.53	0.46	1.69	
5/32	4	0	61	24	9	7	0.99	0.90	5.62	5.11	0.53	0.45	1.65	
3/16	5	0	59	22	8	7	0.98	0.89	5.57	5.06	0.52	0.44	1.33	
1/4	6	0	56	21	7	6	0.97	0.88	5.51	5.00	0.52	0.44	1.26	
<i>CARIBIA</i> ®														
1/8	3	0	63	26	9	7	1.00	0.90	5.68	5.11	0.53	0.46	1.66	
5/32	4	0	61	24	9	7	0.99	0.90	5.62	5.11	0.53	0.45	1.65	
3/16	5	0	58	22	7	7	0.98	0.89	5.57	5.06	0.52	0.44	1.31	
1/4	6	0	55	20	7	6	0.97	0.88	5.51	5.00	0.51	0.43	1.27	
<i>SOLARBRONZE</i> ®														
1/8	3	0	55	27	8	19	1.00	0.90	5.68	5.11	0.50	0.43	1.42	
5/32	4	0	52	25	8	17	0.99	0.90	5.62	5.11	0.49	0.42	1.37	
3/16	5	0	48	23	7	16	0.98	0.89	5.57	5.06	0.49	0.42	1.14	
1/4	6	0	43	20	6	14	0.97	0.88	5.51	5.00	0.48	0.41	1.04	
<i>GRAYLITE</i> ®														
1/4	6	0	11	8	5	9	0.97	0.88	5.51	5.00	0.40	0.34	0.32	

1 5/16" Insulating Glass Units with Monolithic Outdoor Glass and Laminated *Solarban*® 60 Coated Glass Indoor Lite

<i>SOLARBAN</i> ® 60 – thicknesses as shown below														
Outdoor Glass		Transmittance			Reflectance		U-Value (Imperial)		K-Value (Metric)		Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)	
		Ultra-violet %	Visible %	Total Solar Energy %	Visible Light %	Total Solar Energy %	Winter Night-time	Summer Day-time	Winter Night-time	Summer Day-time				
1/4" Glass as Specified Below + 1/2" Airspace + 1/4" <i>Solarban</i> 60 (4) Clear Glass + 0.060" Clear PVB + 1/4" Clear Glass (Except Starphire - all Lites, Starphire glass)														
	PPG Clear	0	65	28	16	23	0.46	0.48	2.61	2.73	0.57	0.49	1.33	
	<i>STARPHIRE</i> ®	0	70	35	16	41	0.46	0.48	2.61	2.73	0.55	0.47	1.48	
	<i>ATLANTICA</i> ™	0	49	18	11	8	0.46	0.48	2.61	2.73	0.39	0.34	1.45	
	<i>AZURIA</i> ™	0	50	18	11	8	0.46	0.48	2.61	2.73	0.39	0.34	1.49	
	<i>CARIBIA</i> ®	0	49	18	11	7	0.46	0.48	2.61	2.73	0.39	0.33	1.47	
	<i>GRAYLITE</i> ®	0	10	6	5	8	0.46	0.48	2.61	2.73	0.29	0.25	0.41	
	<i>OPTIGRAY</i> ®	0	17	7	5	6	0.46	0.48	2.61	2.73	0.28	0.24	0.71	
	<i>SOLARBRONZE</i> ®	0	39	17	9	13	0.46	0.48	2.61	2.73	0.43	0.37	1.06	
	<i>SOLARGRAY</i> ®	0	32	15	8	11	0.46	0.48	2.61	2.73	0.39	0.34	0.95	
	<i>SOLEXIA</i> ™	0	56	22	13	11	0.46	0.48	2.61	2.73	0.45	0.39	1.44	
	<i>SOLARCOOL</i> ® <i>AZURIA</i> ™ (2)	0	19	7	20	10	0.46	0.48	2.61	2.73	0.25	0.22	0.88	
	<i>SOLARCOOL</i> ® <i>CARIBIA</i> ™ (2)	0	19	7	19	10	0.46	0.48	2.61	2.73	0.26	0.22	0.86	
	<i>SOLARCOOL</i> ® <i>SOLARBRONZE</i> ® (2)	0	15	7	14	15	0.46	0.48	2.61	2.73	0.29	0.25	0.60	
	<i>SOLARCOOL</i> ® <i>SOLARGRAY</i> ® (2)	0	13	6	11	12	0.46	0.48	2.61	2.73	0.28	0.24	0.54	
	<i>SOLARCOOL</i> ® <i>GRAYLITE</i> ® (2)	0	4	3	5	8	0.46	0.48	2.61	2.73	0.24	0.20	0.20	

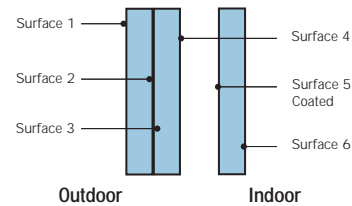
Performance data simulated using LBL Optics 5 and Window 5.2. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgglazing.com or request our Architectural Glass Catalog.

For more data on laminated *Solarban* 60 glass, visit www.ppgglazing.com or call 1-888-PPG-IDEA.



1 5/16" Insulating Glass Units with Laminated Outdoor Glass and Solarban® 60 Coated Glass Indoor Lite Laminated Glass Performance

SOLARBAN® 60 – thicknesses as shown below												
Outdoor Glass	Transmittance			Reflectance		U-Value (Imperial)		K-Value (Metric)		Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
	Ultra-violet %	Visible %	Total Solar Energy %	Visible Light %	Total Solar Energy %	Winter Night-time	Summer Day-time	Winter Night-time	Summer Day-time			
1/4" Glass as Specified Below + 0.060" Clear PVB + 1/4" Clear Glass + 1/2" Airspace + 1/4" Solarban 60 (5) Clear Glass (Except Starphire - all Lites, Starphire glass)												
PPG Clear	0	68	30	12	18	0.28	0.27	1.59	1.53	0.48	0.41	1.65
STARPHIRE®	0	74	36	12	36	0.28	0.27	1.59	1.53	0.53	0.46	1.62
ATLANTICA™	0	51	19	9	6	0.29	0.27	1.65	1.53	0.35	0.30	1.70
AZURIA™	0	52	19	9	6	0.29	0.27	1.65	1.53	0.35	0.30	1.73
CARIBIA®	0	51	19	9	6	0.29	0.27	1.65	1.53	0.34	0.29	1.76
GRAYLITE®	0	10	7	5	7	0.29	0.27	1.65	1.53	0.20	0.17	0.59
OPTIGRAY®	0	18	8	5	5	0.29	0.27	1.65	1.53	0.21	0.18	1.00
SOLARBRONZE®	0	40	18	7	10	0.29	0.27	1.65	1.53	0.35	0.30	1.33
SOLARGRAY®	0	34	16	7	8	0.29	0.27	1.65	1.53	0.31	0.27	1.26
SOLEXIA™	0	58	23	11	8	0.29	0.27	1.65	1.53	0.41	0.35	1.66
SOLARCOOL® AZURIA™ (2)	0	24	8	16	9	0.29	0.27	1.65	1.53	0.21	0.18	1.33
SOLARCOOL® CARIBIA® (2)	0	24	8	16	8	0.29	0.27	1.65	1.53	0.21	0.18	1.33
SOLARCOOL® SOLARBRONZE® (2)	0	19	9	12	12	0.29	0.27	1.65	1.53	0.23	0.19	0.98
SOLARCOOL® SOLARGRAY® (2)	0	16	8	10	10	0.29	0.27	1.65	1.53	0.21	0.18	0.89
SOLARCOOL® GRAYLITE® (2)	0	5	4	5	7	0.29	0.27	1.65	1.53	0.16	0.14	0.36



1 5/16" Insulating Glass Units with Monolithic Outdoor Glass and Laminated Solarban® 60 Coated Glass Indoor Lite

SOLARBAN® 60 – thicknesses as shown below												
Outdoor Glass	Transmittance			Reflectance		U-Value (Imperial)		K-Value (Metric)		Shading Coefficient	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
	Ultra-violet %	Visible %	Total Solar Energy %	Visible Light %	Total Solar Energy %	Winter Night-time	Summer Day-time	Winter Night-time	Summer Day-time			
1/4" Glass as Specified Below + 1/2" Airspace + 1/4" Solarban 60 (3) Clear Glass + 0.060" Clear PVB + 1/4" Clear Glass (Except Starphire - all Lites, Starphire glass)												
PPG Clear	0	68	30	12	31	0.28	0.27	1.59	1.53	0.51	0.44	1.55
STARPHIRE®	0	72	34	12	45	0.28	0.27	1.59	1.53	0.54	0.46	1.55
ATLANTICA™	0	51	19	10	8	0.29	0.27	1.65	1.53	0.35	0.30	1.70
AZURIA™	0	52	19	9	7	0.29	0.27	1.65	1.53	0.35	0.31	1.70
CARIBIA®	0	51	19	9	7	0.29	0.27	1.65	1.53	0.35	0.30	1.68
GRAYLITE®	0	10	7	5	10	0.29	0.27	1.65	1.53	0.20	0.17	0.57
OPTIGRAY®	0	18	8	5	6	0.29	0.27	1.65	1.53	0.21	0.18	1.00
SOLARBRONZE®	0	40	18	8	16	0.29	0.27	1.65	1.53	0.36	0.32	1.27
SOLARGRAY®	0	34	16	7	13	0.29	0.27	1.65	1.53	0.33	0.28	1.21
SOLEXIA™	0	58	23	11	11	0.29	0.27	1.65	1.53	0.42	0.36	1.61
SOLARCOOL® AZURIA™ (2)	0	20	7	19	10	0.29	0.27	1.65	1.53	0.19	0.16	1.25
SOLARCOOL® CARIBIA® (2)	0	20	7	19	10	0.29	0.27	1.65	1.53	0.19	0.16	1.25
SOLARCOOL® SOLARBRONZE® (2)	0	16	8	14	18	0.29	0.27	1.65	1.53	0.21	0.18	0.89
SOLARCOOL® SOLARGRAY® (2)	0	13	7	11	14	0.29	0.27	1.65	1.53	0.19	0.17	0.78
SOLARCOOL® GRAYLITE® (2)	0	4	3	5	10	0.29	0.27	1.65	1.53	0.15	0.13	0.31

Performance data simulated using LBL Optics 5 and Window 5.2. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppglazing.com or request our Architectural Glass Catalog.

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