

Sungate® 500 Low-E Glass



Panevino Restaurant
 Location: Las Vegas, NV
 Products: Caribia®/Sungate®
 500 Glass
 Architect: Marnell Architecture
 Glazing Contractor: Sierra Glass
 Glass Fabricator: Northwestern
 Industries, Inc.

Fabrication

Sungate 500 Low-E Glass provides maximum processing flexibility and can be easily laminated, tempered or heat-strengthened to satisfy increased strength or safety glazing requirements. As a pyrolytic or “hard coat,” **Sungate** 500 glass is durable and readily available from nearly 100 glass fabrication locations throughout the U.S. and Canada.

Additional Resources

Sungate 500 Low-E Glass is just one of the  *EcoLogical Building Solutions* from PPG. For more information, or to obtain samples of **Sungate** 500 glass, call 1-888-PPG-IDEA, or visit www.ppgglazing.com.

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Sungate® 500 Glass Performance

Glass Type	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			
Monolithic												
SUNGATE 500 Clear	69	89	79	9	7	1.03	0.93	5.85	5.28	0.96	0.83	1.08
Insulating Vision Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites; interior lite clear												
SUNGATE® 500 Low-E Glass												
SUNGATE 500 (2) Clear	42	74	52	17	14	0.35	0.35	1.99	1.99	0.71	0.62	1.19
SUNGATE 500 (3) SOLEXIA	21	64	33	14	9	0.35	0.35	1.99	1.99	0.51	0.45	1.42
SUNGATE 500 (3) ATLANTICA	11	56	25	12	7	0.35	0.35	1.99	1.99	0.41	0.35	1.60
SUNGATE 500 (3) CARIBIA	17	56	24	12	7	0.35	0.35	1.99	1.99	0.40	0.34	1.65
SUNGATE 500 (3) AZURIA	29	57	24	12	7	0.35	0.35	1.99	1.99	0.40	0.34	1.68
SUNGATE 500 (3) Bronze	18	44	33	9	9	0.35	0.35	1.99	1.99	0.53	0.46	0.96
SUNGATE 500 (3) Gray	17	37	28	8	8	0.35	0.35	1.99	1.99	0.47	0.40	0.93
SUNGATE 500 (3) OPTIGRAY 23	6	19	13	6	6	0.35	0.35	1.99	1.99	0.28	0.24	0.79
SUNGATE 500 (3) GRAYLITE	5	11	16	5	6	0.35	0.35	1.99	1.99	0.33	0.28	0.39
SOLARCOOL® Glass (Reflective) with SUNGATE® 500 Low-E (3)												
SOLARCOOL (2) SOLEXIA + Low-E	6	25	15	24	13	0.35	0.35	1.99	1.99	0.31	0.26	0.96
SOLARCOOL (2) CARIBIA + Low-E	5	22	10	19	10	0.35	0.35	1.99	1.99	0.24	0.21	1.05
SOLARCOOL (2) AZURIA + Low-E	8	22	10	20	10	0.35	0.35	1.99	1.99	0.23	0.20	1.10
SOLARCOOL (2) Bronze + Low-E	5	18	17	14	13	0.35	0.35	1.99	1.99	0.34	0.29	0.62
SOLARCOOL (2) Gray + Low-E	5	15	14	11	10	0.35	0.35	1.99	1.99	0.30	0.26	0.58
SOLARCOOL (2) GRAYLITE + Low-E	1	5	9	5	7	0.35	0.35	1.99	1.99	0.25	0.21	0.24

Performance data calculated using LBL 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.

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