



Fabrication and Availability

Solarban 70XL glass is available through more than 60 locations of the PPG Certified Fabricator Network. PPG Certified Fabricators can meet tight construction deadlines and accelerate the delivery of replacement glass before, during and after construction. **Solarban** 70XL glass, manufactured utilizing the MSVD sputter-coating process, is available for annealed, heat strengthened and tempered applications.



More Information

PPG has published a paper detailing the results of a comprehensive energy simulation study of **Solarban** 70XL coated glass in 12 major North American cities. To order

a copy of *Immediate and Long-Term Economic Advantages of Specifying Solarban® 70XL Solar Control Low E-Glass*, call 1-888-PPG-IDEA (774-4332), call your local PPG Architectural Glass representative or visit www.ppgideascales.com.

Additional Resources

Solarban 70XL glass is just one of the **ecological Building Solutions™** from PPG. For more information, or to obtain samples of this product, call 1-888-PPG-IDEA, or visit www.ppgideascales.com. All PPG architectural glass is Cradle to Cradle Certified.™



PPG IdeaScapes.™ Integrated products, people and services to inspire your design and color vision.

Solarban® 70XL Glass Performance — Commercial Insulating Glass Unit

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 unless otherwise noted												
Glass Type	Transmittance			Reflectance		U-Value (Imperial)		European U-Value	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					
Coated												
SOLARBAN® 70XL Solar Control Low-E Glass												
SOLARBAN 70XL (2)* + Clear	6	64	25	12	52	0.28	0.26	1.50	0.32	0.27	2.37	
SOLEXIA + SOLARBAN 70XL (3)*	3	56	20	11	13	0.28	0.26	1.50	0.37	0.32	1.74	
ATLANTICA + SOLARBAN 70XL (3)*	2	49	17	10	8	0.28	0.26	1.50	0.32	0.28	1.74	
CARIBIA + SOLARBAN 70XL (3)*	2	49	17	9	8	0.28	0.26	1.50	0.32	0.28	1.75	
AZURIA + SOLARBAN 70XL (3)*	4	49	17	10	8	0.28	0.26	1.50	0.33	0.29	1.70	
PACIFICA + SOLARBAN 70XL (3)*	2	31	12	6	7	0.28	0.26	1.50	0.26	0.22	1.38	
SOLARBLUE + SOLARBAN 70XL (3)*	3	41	16	8	16	0.28	0.26	1.50	0.32	0.27	1.48	
SOLARBRONZE + SOLARBAN 70XL (3)*	3	38	15	8	20	0.28	0.26	1.50	0.30	0.26	1.48	
SOLARGRAY + SOLARBAN 70XL (3)*	2	32	13	7	15	0.28	0.26	1.50	0.27	0.24	1.34	
OPTIGRAY23 + SOLARBAN 70XL (3)*	1	17	7	5	7	0.28	0.26	1.50	0.19	0.16	1.04	
GRAYLITE + SOLARBAN 70XL (3)*	1	10	5	5	11	0.28	0.26	1.50	0.16	0.14	0.71	
VISTACOO™ and SOLARCOOL® with SOLARBAN® 70XL Solar Control Low-E (3)*												
VISTACOO (2) AZURIA + Low-E	4	38	14	21	12	0.28	0.26	1.50	0.27	0.24	1.59	
VISTACOO (2) PACIFICA + Low-E	1	24	9	11	9	0.28	0.26	1.50	0.22	0.19	1.24	
VISTACOO (2) CARIBIA + Low-E	2	38	13	20	11	0.28	0.26	1.50	0.27	0.23	1.65	
VISTACOO (2) SOLARGRAY + Low-E	2	25	10	11	17	0.28	0.26	1.50	0.23	0.20	1.24	
SOLARCOOL (2) SOLEXIA + Low-E	1	22	8	24	16	0.28	0.26	1.50	0.20	0.17	1.28	
SOLARCOOL (2) CARIBIA + Low-E	1	19	6	19	10	0.28	0.26	1.50	0.18	0.15	1.27	
SOLARCOOL (2) AZURIA + Low-E	1	19	7	19	10	0.28	0.26	1.50	0.18	0.15	1.27	
SOLARCOOL (2) PACIFICA + Low-E	1	12	4	10	8	0.28	0.26	1.50	0.15	0.13	0.89	
SOLARCOOL (2) SOLARBLUE + Low-E	1	16	6	14	16	0.28	0.26	1.50	0.18	0.15	1.03	
SOLARCOOL (2) SOLARBRONZE + Low-E	1	15	6	14	19	0.28	0.26	1.50	0.17	0.15	1.01	
SOLARCOOL (2) SOLARGRAY + Low-E	1	13	5	11	15	0.28	0.26	1.50	0.16	0.14	0.89	
SOLARCOOL (2) GRAYLITE + Low-E	<1	3	1	5	5	0.28	0.26	1.50	0.11	0.09	0.27	

*Solarban 70XL for annealed applications is applied to **Starphire** glass, heat treated applications will require either clear or **Starphire** glass depending on manufacturing process.

All performance data calculated using LBNL Window 5.2 software, except European U-Value, which is calculated using WinDat version 3.0.1 software. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgideascales.com or request our Architectural Glass Catalog.

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