

NEW! Classic Blues from PPG

PPG Classic Blues

Two new stunning blue tints from PPG — *Pacifica*[™] glass and *Solarblue*[™] glass — are available with subtly reflective and traditional reflective coatings to provide architects with five distinct aesthetic options. The glasses are available with high-performance *Solarban*[®] 70XL or *Solarban*[®] 60 solar control, low-e coatings on the second surface to give architects four new performance options.

Rich blue *Pacifica* glass adds to the *Oceans of Color*[®] collection of nautically inspired tints, which also features *Atlantica*[™], *Azuria*[™], *Caribia*[®] and *Solexia*[™] glasses. Two additional aesthetic options can be created by using *Pacifica* glass with reflective *Solarcool*[®] or subtly reflective, color-enriched *Vistacool*[™] coatings.



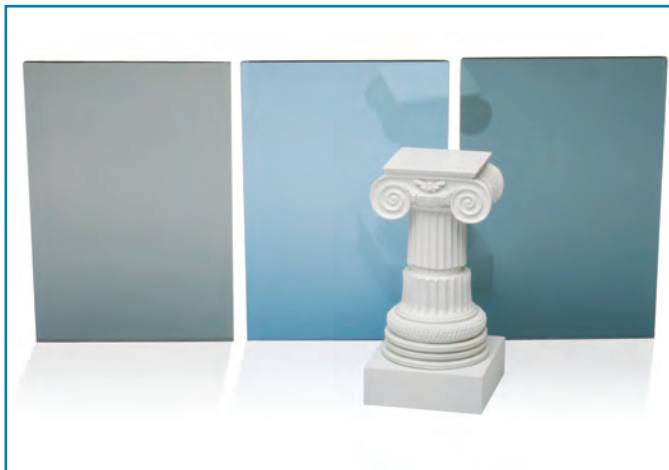
Solarblue glass displays a light sky-blue tint. As part of PPG's Earth and Sky Tones performance tints, *Solarblue* glass complements *Graylite*[®], *Optigray*[®] 23, *Solarbronze*[®] and *Solargray*[®] glasses. It may be used with *Solarcool* reflective coating.



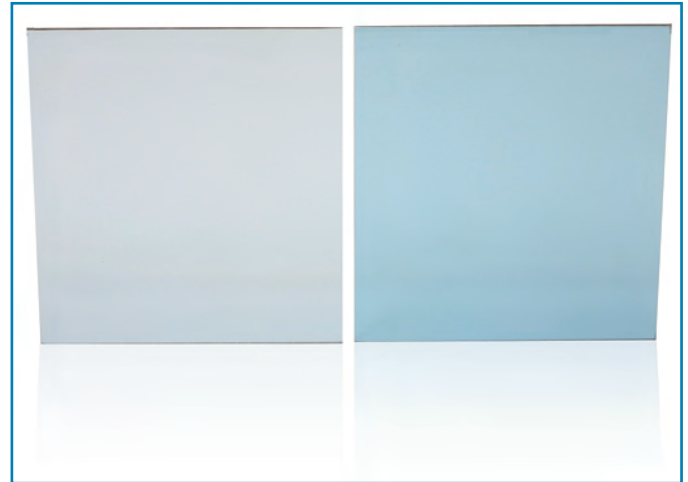
With the addition of *Pacifica* and *Solarblue* glasses, PPG offers the industry's broadest selection of tinted glasses.

Energy and Environmental Performance

Architects seeking to optimize environmental performance can obtain *Pacifica* and *Solarblue* glasses with high-performance *Solarban* 70XL or *Solarban* 60 solar control, low-e coatings on the second surface. In a one-inch insulating glass unit with clear glass, these



Architects can expand their color options by combining *Solarblue* glass with *Solarcool* reflective coating (left) or by specifying *Pacifica* glass with *Vistacool* (center) or *Solarcool* (right) coatings.



PPG offers two new stunning blue tints. *Solarblue* glass (left) displays a light sky-blue tint. *Pacifica* glass (right) has a rich blue hue. Both may be combined with *Solarban* or *Sungate* 500 coatings to maximize energy efficiency.

pairings can deliver LSG ratios between 1.50 and 1.87. *Pacifica* or *Solarblue* glasses may also be used as the exterior lite in an insulating unit with *Sungate*[®] 500, *Solarban* 60 or *Solarban* 70XL coatings on the third surface.

Sustainable Design and Architectural Glass

Sustainable design, green building, safeguarding the environment and the long-term management of energy costs are vital considerations for today's building designers. High-performance architectural glasses from PPG, including blue tints such as *Pacifica* and *Solarblue* glasses, give architects and building owners tools to reach their design objectives.

In addition to making products that support sustainable design, PPG is a pioneer in developing innovative technologies that reduce energy consumption during the glass-making process. PPG promotes environmentally responsible manufacturing by recovering and reusing virtually all of its glass manufacturing byproducts and by shipping its materials on reusable steel racks.

The first and only glass manufacturer to have its entire collection of architectural glasses Cradle to Cradle Certified,[™] PPG also promotes regional sourcing through its worldwide network of certified glass fabricators and laminators.

Fabrication and Availability

Pacifica and *Solarblue* glasses provide maximum



processing flexibility and can be easily laminated, tempered or heat-strengthened to satisfy increased strength or safety glazing requirements. *Pacifica* and *Solarblue* glasses with second-surface *Solarban* 70XL and *Solarban* 60 coatings are available exclusively through the PPG Certified Fabricator Network. *Pacifica*, *Solarblue*, *Vistacool* and *Solarcool* glasses also are readily available without second-surface *Solarban* coatings from nearly 100 glass fabrication locations throughout the U.S. and Canada, and international representatives in 25 countries.

Additional Resources

EcoLogical Building Solutions™ from PPG encompass a number of environmentally sustainable architectural glass products, including *Pacifica* and *Solarblue* glasses with *Vistacool*, *Solarban* and *Sungate* coatings. For more information or to obtain samples of any PPG glass product, call 1-888-PPG-IDEA (774-4332), or visit www.ppgideasces.com.



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

Solarblue™ and Pacifica™ Glass Performance — Commercial Insulating Glass Unit Comparisons Using 1/4" (6mm) Glass

Insulating Vision Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites; as shown below											
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				
PACIFICA™ Glass											
PACIFICA + Clear	12	38	23	7	6	0.47	0.50	2.81	0.41	0.35	1.07
SOLARBAN 70XL (2) PACIFICA + Clear	1	30	11	6	7	0.28	0.26	1.50	0.21	0.18	1.63
SOLARBAN 60 (2) PACIFICA + Clear	5	34	15	6	7	0.29	0.27	1.55	0.26	0.22	1.52
PACIFICA + SOLARBAN 70XL (3)*	2	31	12	6	7	0.28	0.26	1.50	0.26	0.22	1.38
PACIFICA + SOLARBAN 60 (3) Clear	5	34	15	6	7	0.29	0.27	1.55	0.29	0.25	1.36
PACIFICA + SOLARBAN z50 (3) OPTIBLUE	4	25	12	6	7	0.29	0.27	1.55	0.28	0.24	1.01
PACIFICA + SUNGATE 500 (3) Clear	10	35	19	7	6	0.35	0.35	1.96	0.35	0.30	1.16
Subtly Reflective and Reflective Coated Glasses											
VISTACOO (2) PACIFICA + Clear	10	29	19	11	8	0.47	0.50	2.81	0.37	0.31	0.93
VISTACOO (2) PACIFICA + SOLARBAN 70XL (3)*	1	24	9	11	9	0.28	0.26	1.50	0.22	0.19	1.24
VISTACOO (2) PACIFICA + SOLARBAN 60 (3) Clear	4	26	12	11	9	0.29	0.27	1.55	0.24	0.21	1.23
VISTACOO (2) PACIFICA + SUNGATE 500 (3) Clear	9	27	16	11	8	0.35	0.35	1.96	0.31	0.27	1.03
SOLARCOOL (2) PACIFICA + Clear	4	15	11	10	7	0.47	0.50	2.81	0.29	0.25	0.59
SOLARCOOL (2) PACIFICA + SOLARBAN 70XL (3)*	1	12	4	10	8	0.28	0.26	1.50	0.15	0.13	0.89
SOLARCOOL (2) PACIFICA + SOLARBAN 60 (3) Clear	2	13	6	10	8	0.29	0.27	1.55	0.17	0.15	0.89
SOLARCOOL (2) PACIFICA + SUNGATE 500 (3) Clear	3	14	9	10	7	0.35	0.35	1.96	0.23	0.20	0.70
SOLARBLUE™ Glass											
SOLARBLUE + Clear	25	50	37	9	7	0.47	0.50	2.81	0.56	0.49	1.03
SOLARBAN 70XL (2) SOLARBLUE + Clear	3	40	15	7	15	0.28	0.26	1.50	0.25	0.21	1.84
SOLARBAN 60 (2) SOLARBLUE + Clear	10	45	21	7	13	0.29	0.27	1.55	0.32	0.28	1.60
SOLARBLUE + SOLARBAN 70XL (3)*	3	41	16	8	16	0.28	0.26	1.50	0.32	0.27	1.48
SOLARBLUE + SOLARBAN 60 (3) Clear	10	45	21	8	13	0.29	0.27	1.55	0.37	0.32	1.39
SOLARBLUE + SOLARBAN z50 (3) OPTIBLUE	8	32	17	7	13	0.29	0.27	1.55	0.36	0.31	1.03
SOLARBLUE + SUNGATE 500 (3) Clear	21	46	32	10	9	0.35	0.35	1.96	0.51	0.44	1.06
Subtly Reflective and Reflective Coated Glasses											
SOLARCOOL (2) SOLARBLUE + Clear	7	20	19	15	11	0.47	0.50	2.81	0.37	0.32	0.61
SOLARCOOL (2) SOLARBLUE + SOLARBAN 70XL (3)*	1	16	6	14	16	0.28	0.26	1.50	0.18	0.15	1.03
SOLARCOOL (2) SOLARBLUE + SOLARBAN 60 (3) Clear	3	17	9	14	15	0.29	0.27	1.55	0.21	0.18	0.97
SOLARCOOL (2) SOLARBLUE + SUNGATE 500 (3) Clear	6	18	15	15	12	0.35	0.35	1.96	0.32	0.27	0.67

*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.ppgideasces.com or request our Architectural Glass Catalog.

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