



Solar Control Glass
Pilkington **Eclipse™** Gold and Sunset Gold





MKT Commercial Building
Doha-Qatar
Pilkington **Eclipse™** Gold

Enhance any project with the rich colors of Pilkington **Eclipse™** Gold and Sunset Gold

Description

Here's your golden opportunity to make your project stand apart from the rest. These stylish products balance daylight transmittance with solar and glare control.

Perfect as an accent color or to glaze an entire building, Pilkington **Eclipse™** Gold and Sunset Gold offer any project a sense of distinguished style and elegance.

With good natural daylight transmittance, the Pilkington **Eclipse™** Gold family enhances visual performance and lowers artificial lighting requirements. To improve the U-factor and further reduce solar heat gain coefficient, combine Pilkington **Eclipse™** Gold or Sunset Gold with Pilkington **Energy Advantage™** thermal control low-e.

Features and Benefits

- Good daylight transmittance
- Suitable for monolithic use or use within an insulated glass unit (#2 surface)
- Reduced lead times
- Virtually unlimited shelf-life
- Durable pyrolytic surface - can be handled, cut, insulated, laminated, heat-strengthened, tempered and bent using standard techniques

Applications

- Commercial buildings
- Low, mid and hi-rise buildings
- Financial institutions/banks
- Office and retail
- Medical/hospital
- Interior and exterior

Available Thickness

- 1/4" (6 mm)
- 5/16" (8 mm)

Available Stock Sizes

- 84" x 120"
- 96" x 120"
- 120" x 204"

The Pilkington **Eclipse™** Gold family of products do not require edge deletion for insulating glass unit manufacture and can also have a ceramic frit or silk screen pattern applied to the coated surface. The products will not oxidize or change color over time. (Note: Laminating with the coating touching the pvb interlayer will reduce reflectivity and increase transmittance.)

Please visit www.pilkingtoncalculators.com to create specifications using the Sun Management Calculator. It calculates the solar, optical and thermal properties of our most popular glazing combinations. Also, visit the interactive Thermal Stress Calculator to determine if you need to heat treat different types and combinations of glass under different conditions to resist breakage from solar induced thermal stress.



New Orleans Saints Training Facility
New Orleans, Louisiana
Pilkington **Eclipse™** Sunset Gold

Monolithic Glass Performance Data^{1, 10}

	Nominal Glass Thickness		Visible Light ²			Solar Energy ²			U-Factor ⁵			Solar Heat Gain Coefficient ⁷	Shading Coefficient ⁸
	in.	mm	Transmittance ³	Reflectance ⁴ %		Transmittance ³ %	Reflectance ⁴ %	UV Transmittance ² %	U.S. Summer*	U.S. Winter*	European**		
				Outside	Inside								
Pilkington Eclipse™ (coating on #2 surface)													
Gold	1/4	6	40	36	45	45	25	9	0.93	1.02	5.7	0.54	0.62
	5/16	8	40	34	44	42	23	8	0.92	1.01	5.6	0.53	0.61
Sunset Gold	1/4	6	24	16	44	30	12	3	0.93	1.02	5.7	0.48	0.55

Insulating Glass Performance Data^{1, 10}

	Nominal Glass Thickness		Visible Light ²			Solar Energy ²			U-Factor ⁵						Solar Heat Gain Coefficient ⁷	Shading Coefficient ⁸
	in.	mm	Transmittance ³	Reflectance ⁴ %		Transmittance ³ %	Reflectance ⁴ %	UV Transmittance ² %	U.S. Summer*		U.S. Winter*		Europe**			
				Outside	Inside				Air	Argon	Air	Argon	Air	Argon		
Pilkington Eclipse™ outer lite (coating on #2 surface) and Pilkington Optifloat™ Clear inner lite																
Gold	1/4	6	36	38	45	35	27	7	0.50	0.47	0.47	0.45	2.8	2.6	0.45	0.52
	5/16	8	36	35	42	31	24	5	0.49	0.47	0.47	0.44	2.8	2.6	0.43	0.49
Sunset Gold	1/4	6	22	16	44	24	13	3	0.50	0.47	0.47	0.45	2.8	2.6	0.36	0.42
Pilkington Eclipse™ outer lite (coating on #2 surface) and Pilkington Energy Advantage™ (coating on #3 surface) inner lite																
Gold	1/4	6	34	38	42	30	28	5	0.33	0.28	0.33	0.29	1.8	1.5	0.41	0.48
	5/16	8	34	36	40	26	26	4	0.33	0.28	0.33	0.28	1.8	1.5	0.39	0.45
Sunset Gold	1/4	6	21	16	41	19	14	2	0.33	0.28	0.33	0.29	1.8	1.5	0.31	0.36

Insulating units consist of two lites of equal glass thickness. Units containing 1/4" lites: 1/2" airspace and 1" overall thickness.

*U.S. U-Factor (Btu/hr.sq ft. °F) is based on NFRC/ASTM standards

**European U-Factor (W/sq m K) is based on EN 410/673 (CEN) standard

All performance values are center-of-glass values calculated by the LBNL Window 6.3 program.

See Pilkington Architectural Product Guide for explanation of superscript references^{1, 10}.

This publication provides only a general description of the product. Further, more detailed, information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of this product is appropriate for any particular application and that such use complies with all relevant legislation, standards, codes of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington, "Eclipse," "Optifloat," and "Energy Advantage" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



Pilkington North America

811 Madison Ave Toledo, Ohio 43604-5684

buildingproducts.pna@nsg.com

Tel 800 221 0444 Fax 419 247 4573

www.pilkington.com/na