



Pilkington **SuperGrey™** High-Performance Tinted Float Glass

Superior Solar Control Without Reflectivity



PILKINGTON

Pilkington **SuperGrey™** High-Performance Tinted Float Glass

Experience the first tinted float glass designed to provide a precise balance between form and function.



PILKINGTON

First in Glass™

Pilkington Building Products

North America

P.O. Box 799

811 Madison Ave.

Toledo, OH 43697-0799

Telephone 419 247 3731

Fax 419 247 4517

www.pilkington.com

www.pilkington.com/northamerica

Energy Advantage™ Low-E Glass, **Optifloat™** Clear Float Glass, **SuperGrey™** High-Performance Tinted Float Glass and First in Glass™ are trademarks of Pilkington.

Form No. 1080

©2004 Pilkington
Printed in U.S.A., 0404/10M/1080/MTZ

Pilkington **SuperGrey™** High-Performance Tinted Float Glass combines stunning exterior aesthetics and unsurpassed interior glare control with the best solar control of any tinted float glass in the industry.

On the outside, low-reflective Pilkington **SuperGrey** Tinted Float Glass offers a dramatic, deep cool-grey appearance that increases visual privacy and dramatically reduces read-through from interior shading devices. Inside, it softens bright daylight and reduces glare, making it perfect for applications near computers and video display screens.

- **AN UNCOATED FLOAT GLASS** that provides the performance of a reflective glass.
- **ENHANCED VISUAL PRIVACY** and reduced read-through from interior shading devices.
- **BEST SOLAR CONTROL OF ANY UNCOATED GLASS**, Pilkington **SuperGrey** Glass provides the lowest shading coefficient of any float glass and a better shading coefficient than many reflective glass products. This means Pilkington **SuperGrey** Glass can help enhance interior comfort and reduce cooling loads.
- **UNSURPASSED LIGHT AND GLARE CONTROL** improves visual privacy and reduces the need for blinds or shades. Pilkington **SuperGrey** Glass softens bright daylight and helps eliminate glare, making it the perfect "user-friendly" glass.

- **LOW INTERIOR AND EXTERIOR REFLECTANCE** reduces interior glare and minimizes exterior daylight reflectance. Pilkington **SuperGrey** Glass is ideal where architectural designs or restrictions prohibit structures with high reflectance.
- **IDEAL FOR SKYLIGHT APPLICATIONS** requiring solar control with very low interior reflection, especially at night.
- **DISTINCTIVE AESTHETICS** inside and out. Pilkington **SuperGrey** Glass offers a deep, cool-grey tint from the exterior, while providing a remarkably crisp, comfortable view from the interior. Pilkington **SuperGrey** Glass also provides color-neutral visibility from the inside, resulting in an undistorted, natural view.
- **UNIFORM, NO-READ-THROUGH LOOK** between spandrel and vision glass areas. The uniform appearance of Pilkington **SuperGrey** Glass may eliminate the need for an opacifier in the spandrel glass.
- **LOW UV TRANSMITTANCE** that significantly outperforms other tinted and coated glass products. 6mm Pilkington **SuperGrey** Glass blocks 99% of the sun's damaging UV rays.
- **EXCELLENT AVAILABILITY**, Pilkington **SuperGrey** Glass can be inventoried for short lead times and improved control of project costs.
- **AVAILABLE IN 1/8", 3/16" and 1/4"**.

Pilkington **SuperGrey™** High-Performance Tinted Float Glass Performance Data

Nominal Glass Thickness	Visible Light				Total Solar Energy			U-Factor				Solar Heat Gain Coefficient	Shading Coefficient	
	Transmittance %	Reflectance %		Transmittance %	Reflectance %	UV Transmittance %	U.S. Summer		U.S. Winter		European			
		Outside	Inside				Air	Argon	Air	Argon	Air			Argon

Monolithic Glass Performance Data

1/8	3	25	5	5	23	4	6	0.94	-	1.04	-	5.8	-	0.45	0.52
3/16	5	12	4	4	11	4	2	0.93	-	1.03	-	5.8	-	0.37	0.44
1/4	6	9	4	4	8	4	1	0.93	-	1.03	-	5.7	-	0.35	0.41

Insulating Glass Performance Data (SuperGrey Glass Outer Lite and Optifloat™ Clear Float Glass Inner Lite)

1/8	3	23	5	12	19	5	6	0.51	-	0.48	-	2.8	-	0.32	0.37
3/16	5	11	4	12	9	4	2	0.50	-	0.48	-	2.8	-	0.24	0.28
1/4	6	8	4	11	6	4	1	0.50	-	0.47	-	2.8	-	0.21	0.25

Insulating Glass Performance Data (SuperGrey Glass Outer Lite and Energy Advantage™ Low-E Glass Inner Lite)

1/8	3	21	5	14	15	5	4	0.33	0.28	0.33	0.29	1.8	1.6	0.26	0.30
3/16	5	10	4	14	7	4	2	0.33	0.28	0.33	0.29	1.7	1.6	0.18	0.21
1/4	6	7	4	13	5	4	1	0.33	0.28	0.33	0.29	1.7	1.6	0.15	0.18

Some combinations or installations may require heat treating to prevent glass breakage from thermal stress.

All performance values are center-of-glass values calculated by using the L.B.L. Window 5. To obtain metric U-value (W/sq-m-C), multiply by 5.678.

Typical values of Pilkington production are provided. UV is from 300-380nm.

For Solar Heat Gain Coefficient (SHGC) and Shading Coefficient (SC) definitions, please refer to Pilkington ATS Bulletin #116, "Glass and Energy".