Pilkington **Reflite**™ Vista

Reflective Glass for Learning Environments

School buildings rarely have just one job. The glass in these buildings has to account for that mix of spaces and the people using them.

Pilkington **Reflite**™ Vista combines Solar Control performance with exterior reflectivity and interior visual balance, helping to create comfortable spaces for students and staff.

Features and Benefits

- Coating on surface #1
- High exterior and low interior reflectance
- Low solar heat gain can result in energy cost savings
- Durable pyrolytic coating
- Helps deter unwanted observation and surveillance
- Provides natural light with less distraction
- Maintains a clean, modern exterior appearance
- Easy to temper, heat-reat, bend and laminate

Available Thickness

- 6 mm (1/4")

Available Substrates

- Grey

Visualization of Pilkington **Reflite**™ Vista Grey

Enhanced Daytime Privacy

Classrooms, offices, hallways and common areas can all benefit from enhanced privacy.

With a durable reflective coating on surface #1, Pilkington **Reflite**™ Vista is designed to optimize exterior reflectance. The coating creates a consistent, mirror-like finish while allowing the selected glass substrate tint to remain visible.

During daylight hours, the exterior reflectance helps make occupants and interior spaces less visible from outside. In schools, this can provide useful visual privacy in areas where students gather, learn or move throughout the building.

As with any reflective glazing, the level of privacy will vary depending on the balance of light inside and outside the building.

A Better View from the Classroom

Conventional reflective glass commonly places the coating on surface #2. While this created exterior appearance, it can also reflect interior lighting, furnishings and activity back toward the people inside. These room-side reflections may become more noticeable as exterior light levels fall.

By placing the reflective coating on surface #1, Pilkington **Reflite**™ Vista significantly reduces interior reflectance compared to these traditional coatings. Students and staff experience fewer distracting reflections and less glare, particularly in lower-light conditions. Resulting in an environment that supports learning and concentration, while providing occupants peace of mind that views to the outside are not disrupted.

Applications

Ideal for a large range of educational facilities, including:

- K-12 schools
- University and college campuses
- Administrative buildings
- Daycare centers
- Athletic facilities and auditoriums
- Libraries and media centers
- Cafeterias and student commons
- Research and scientific labs

	Visible Light (%)			Solar Energy (%)			U-Factor (Btu/hr•ft²•°F)				Solar Heat Gain Coefficient	Shading Coefficient
		Reflectance					Summer		Winter			
	Transmittance	Outside	Inside	Transmittance	Reflectance	UV Transmittance	Air	Argon	Air	Argon		
Pilkington **Reflite™** Vista Grey	23	41	13	28	29	4	0.93		1.03		0.41	0.47
Pilkington **Reflite™** Vista (coating on #1 surface) outer lite and Pilkington **Optifloat™** Clear inner lite												
Pilkington **Reflite™** Vista Grey / Pilkington **Optifloat™** Clear	21	42	18	22	29	4	0.50	0.48	0.47	0.45	0.32	0.36
Pilkington **Reflite™** Vista (coating on #1 surface) outer lite and low-e (coating on #3 surface) inner lite												
Pilkington **Reflite™** Vista Grey / Pilkington **Energy Advantage™**	19	42	19	17	30	3	0.33	0.28	0.33	0.29	0.27	0.32
Pilkington **Reflite™** Vista Grey / Pilkington **Optitherm™** S3	21	41	15	15	32	2	0.27	0.22	0.29	0.25	0.22	0.25

An insulating unit consists of two lites of 1/4" (6mm) glass and a 1/2" (12.7mm) spacer width.
U-Factor (Btu/hr•ft²•°F) is based on NFRC/ASTM standards. All performance values are center-of-glass values calculated using the LBNL Window 7.7 program.

Visualization of Pilkington **Reflite™** Vista Grey

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This publication provides only a general description of the products. 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 these products 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, "Reflite" is a trademark owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.

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September 2026