



Clear float glass

Pilkington **OptiView™** Protect

Anti-reflective glass  
Pilkington **OptiView™**  
Pilkington **OptiView™** Protect



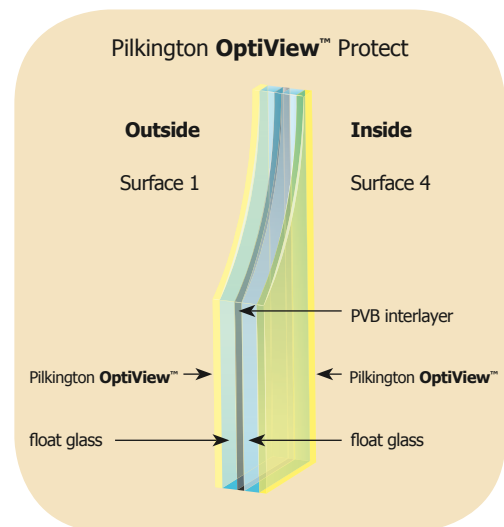
## Pilkington **OptiView™** and Pilkington **OptiView™** Protect anti-reflective glass

Pilkington **OptiView™** is an anti-reflective, on-line coated product with a neutral colour. It can be used in a monolithic or laminated application.

Pilkington **OptiView™** is a monolithic glass, with the anti-reflective coating on one surface, which reduces light reflectance and allows more light to pass through, when compared with clear float glass. The product can be used in a monolithic application.

Pilkington **OptiView™** Protect is a laminated glass with anti-reflective coatings on surfaces #1 and #4 (both outer surfaces of the laminated glass), which reduces interior and exterior light reflectance to under 2%. As a consequence, views from both inside and outside are clear, unobscured and virtually reflection-free.

Pilkington **OptiView™** Protect offers all the traditional benefits of laminated glass, such as improved safety, enhanced security, durability and acoustic properties. It also offers design flexibility, easy installation and low visual distortion. Furthermore, it provides protection from UV radiation (UVA and UVB) by blocking nearly 99% of UV transmittance, helping to reduce fading of the contents and interiors of a building.



### Available thickness

- 3, 4, 5, 6 and 8 mm monolithic glass
- 6.8, 11.5, 12.8 and 16.8 mm laminated glass

### Available stock size

- 3300 × 2440 mm

Shanghai Museum, China





## Applications

With its large size capability and ability to be processed like ordinary glass, Pilkington **OptiView™** Protect is ideal for a wide range of traditional and new anti-reflective applications in which clarity of view is of paramount importance.

- Display cases
- Retail shop fronts
- Showrooms
- Glass atriums
- Sports stadiums
- Cabinets
- Pictures
- Refrigerators
- Vehicles
- Zoos

In addition to its performance properties and processing flexibility, Pilkington **OptiView™** achieves a more neutral colour than other anti-reflective glasses, providing architects with greater freedom to innovate than before.

## Benefits

### Safety

Pilkington **OptiView™** Protect is a laminated safety glass that performs under impact. Ordinary glass shatters into large pieces when impacted, while the laminated panes of Pilkington **OptiView™** Protect resist penetration and are shatter-resistant. Even though the glass may break, the glass fragments will remain firmly bonded to the interlayer, minimizing the risk of injury.

### Security

Pilkington **OptiView™** Protect can help protect against break-ins and theft. Standard glass can be easily broken, allowing burglars easy access. The interlayer provides a safeguard against intrusion by remaining intact even when glass is broken.



Copini Opticiens, Sneek,  
The Netherlands

For enhanced security, Pilkington **OptiView™** Protect can be designed to withstand a range of different impacts.

### Audio performance

Pilkington **OptiView™** Protect provides an excellent barrier to noise. The laminated panes provide insulation against audio disturbances by dampening the sound.

J. Foster Jewelers, Ohio, USA





### UV Control

Its anti-reflective properties allow it to absorb UV wavelengths and reduce damage and fading caused by UV radiation.

**Note.** Fading of materials is a complex phenomenon and can be influenced by factors other than UV radiation.

### Durability

Pilkington **OptiView™** and Pilkington **OptiView™** Protect products are durable and easy to clean.

Beijing Museum, China



Flagstar Bank, Michigan, USA





Beijing Museum, China

### Design flexibility

Pilkington **OptiView™** can be curved, toughened and heat-strengthened. A ceramic fit can also be applied as well as being suitable to paint for spandrel applications.

Pilkington **OptiView™** Protect can be incorporated into the laminated glass to create a truly personalised application and is easy to clean and maintain.

### Easy installation

Pilkington **OptiView™** and Pilkington **OptiView™** Protect products are easy to install. Most laminated combinations can be simply cut to size and fabricated.

## Pilkington **OptiView™** Features

- Light transmittance greater than 90%;
- High clarity;
- Highly durable, on-line pyrolytic coating;
- Large size capability.

## Pilkington **OptiView™** Protect Features

- Exterior and interior light reflection reduced to less than 2%;
- UV transmittance reduced by over 99%;
- Superior safety, security and acoustic performance.

Zoo, Köln, Germany







President's House, Philadelphia,  
Pennsylvania, USA



## Pilkington **OptiView™** – performance data

Thickness	Light transmittance	Light reflectance (external)	Light reflectance (internal)	Direct solar transmittance	Solar reflectance	Solar absorptance	g value	UV transmittance
Monolithic performance data*								
3 mm Pilkington <b>OptiView™</b>	0.91	0.06	0.06	0.82	0.06	0.12	0.85	0.63
4 mm Pilkington <b>OptiView™</b>	0.91	0.06	0.06	0.80	0.06	0.14	0.83	0.60
5 mm Pilkington <b>OptiView™</b>	0.90	0.05	0.05	0.79	0.06	0.15	0.82	0.57
6 mm Pilkington <b>OptiView™</b>	0.90	0.05	0.05	0.77	0.05	0.18	0.81	0.55
8 mm Pilkington <b>OptiView™</b>	0.89	0.05	0.05	0.74	0.05	0.21	0.79	0.51
Laminated performance data**								
6.8 mm Pilkington <b>OptiView™</b> Protect	0.91	0.02	0.02	0.69	0.03	0.28	0.74	0.00
11.5 mm Pilkington <b>OptiView™</b> Protect	0.88	0.02	0.02	0.64	0.03	0.33	0.70	0.00
12.8 mm Pilkington <b>OptiView™</b> Protect	0.89	0.02	0.02	0.61	0.03	0.36	0.68	0.00
16.8 mm Pilkington <b>OptiView™</b> Protect	0.85	0.02	0.02	0.58	0.03	0.39	0.65	0.00

Determined in accordance with EN 410 and EN 673.

\* Coating on surface 1.

\*\* Coating on surfaces 1 and 4.



President's House, Philadelphia, Pennsylvania, USA



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The CE marking label for each product, including declared values, can be found at [www.pilkington.com/CE](http://www.pilkington.com/CE)



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