



Pilkington **SaniTise™**  
Antimicrobial glass

## Pilkington **SaniTise™**

Pilkington **SaniTise™** is an online coated glass with a transparent photocatalytic coating that provides antimicrobial properties and activity against enveloped viruses when exposed to UV. The coating on glass retains its properties even when UV exposure ends, for up to 2 hours in tests, further reducing the risk of cross-infection.

### Features and Benefits:

- Pilkington **SaniTise™** is a high quality glass with photocatalytic coating that can be used in a large variety of glazing applications;
- Pilkington **SaniTise™** is highly resistant to corrosion, physical force and chemical damage;
- Pilkington **SaniTise™** can be activated by sunlight or by artificial UV irradiation. It is rapidly activated by 254 nm light; the same used by UV disinfection systems;
- Pilkington **SaniTise™** rapidly achieves its full activity upon exposure to UV light – only 5 to 10 minutes of UV exposure is needed;
- Pilkington **SaniTise™** can double the effectiveness of UV disinfection processes;
- Once activated, Pilkington **SaniTise™** retains photocatalytic activity for up to 2 hours, even in the dark;
- When activated, Pilkington **SaniTise™** is also oleophobic (i.e. anti-fingerprint) and easier to clean than regular glass;
- The glass can be toughened, laminated, bent and processed into insulating glass units.



### Interior applications:

- wall cladding,
- glass screens, barriers and partition walls,
- table tops, counter tops,
- splashbacks,
- furniture,
- freezers and refrigerators,
- cover glass for touch screens/displays.

## Exterior applications:

- glass facades,
- windows,
- doors,
- external partitions.



Pilkington **SaniTise™** can be used in all places with high-touch surface areas in hospitals, health care buildings, schools and universities, shops, hotels, office buildings, zoos, airports, libraries, public transport etc. Pilkington **SaniTise™** adds value and new functionality to the typical glazed surfaces providing a healthier, cleaner and safer environment.



Source: Blindex Brazil

## How it works

The glass uses a  $\text{TiO}_2$  based coating deposited directly onto the glass surface during its manufacturing process. When the Pilkington **SaniTise™** coating is exposed to UV radiation from natural daylight or from UV disinfection devices it gets activated. It then reacts with water vapour within the air, in a photocatalytic process that produces reactive oxygen species.

These species provide a number of functions, including the ability to break down organic species, providing antimicrobial properties and activity against enveloped viruses on the glass surface. When the coated glass surface is treated using a UV disinfection process, the effectiveness of disinfection is increased and in some cases doubled, compared to using uncoated glass.

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 and "SaniTise" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



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



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