



SaniTise™
the 457
fingerprints
left behind
this week

Pilkington **SaniTise™**

Antimicrobial glass - For a healthier, cleaner, safer world

Pilkington **SaniTise™**

Introducing Pilkington **SaniTise™**, a world-first in glazing. It is an on-line coated glass with a photocatalytic coating, that provides antimicrobial properties. Tested by leading universities it helps protect against enveloped viruses, reducing the risk of microbial transmission from any shared/frequently touched surfaces that have access to UV radiation.

How it works

The glass uses a durable on-line coating deposited directly onto the glass surface during its manufacturing process.

The Pilkington **SaniTise™** antimicrobial coating is activated when exposed to UV radiation from natural daylight or artificial UV irradiation devices and works in 2 stages:

- **Stage 1** – The coating reacts with water vapour within the air, in a photocatalytic process that produces reactive oxygen species.



- **Stage 2** – These species support the breakdown of organic species and help to provide antimicrobial properties and activity against enveloped viruses on the glass surface.

Features and Benefits

- Suitable for a variety of glazing applications
- Pilkington **SaniTise™** glass provides antimicrobial properties when exposed to UV radiation.
- Helps protect against enveloped viruses.
- Pilkington **SaniTise™** is activated by natural daylight and retains photocatalytic activity for up to 2 hours in the dark. The coating can also be activated by artificial UV radiation.
- Pilkington **SaniTise™** can double the effectiveness of UV disinfection processes on the glass surface.
- Highly resistant to corrosion, physical force and chemical damage.
- The glass can be toughened, laminated, bent and processed into Insulating Glass Units (IGU) using standard processes. The coating is typically on the interior (room facing) surface of the IGU.



Applications

Pilkington **SaniTise™** reduces the risk of antimicrobial transmission on exterior and interior glass surfaces that have access to natural UV exposure from daylight, such as:

- Commercial and public buildings including office, retail, education, healthcare, leisure and hospitality environments.
- Public transport such as school buses, trains, shuttle buses, ferries and cruise liners.
- Exterior shared spaces such as bus stop shelters, where many different people are touching the glass throughout the day.

Pilkington **SaniTise™** is also suitable for interior applications, where the glass is activated by artificial UV radiation:

- Cover glass for touch screens/displays.
- Glass screens or barriers.
- Partition walls.
- Wall cladding.
- Counter tops/table tops.



The number 457 within the design, is a number to represent how many times a glass surface could be touched. This is not based on statistical research but is a random number to demonstrate that a surface can be touched many times. This is a fictional scenario used to demonstrate the product benefits.

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.



CE marking confirms that a product complies with its relevant harmonised European Norm.

The Declaration of Performance for each product, including declared values, can be found at www.pilkington.com/CE



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