PILKINGTON

NSG Group...

Creating a healthier, cleaner, and safer world

Pilkington **SaniTise™**

Antimicrobial glass for architectural applications

NSG GROUP

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 the glass retains its properties for up to two hours, when exposure to UV ends. Helping to reduce the risk of cross-infection.

Applications

- Schools and Universities
- Hotels
- Commercial
- Retail
- Healthcare
- Residential care homes
- Leisure amenities e.g Zoos
- Airport Terminals/ Railway Stations
- Public amenities, e.g. Libraries

Features and Benefits

- Durable pyrolytic coating.
- Can be toughened, laminated, bent and processed into insulating glass units.
- Compatible with harsh commercial grade cleaning products.
- Multiple tints/substrates available.
- Thickness available from 3.2 mm to 10 mm.

Pilkington **SaniTise**™ - technical performance

Glass product (IGU)	Light (%)			Solar radiant heat (%)				Total shading coefficient	U_g [W/m²K]
	Transmittance	Reflectance external	Reflectance internal	Direct transmittance	Reflectance	Absorptance	Total transmission		Argon 90%
Thermal insulation									
6 mm Pilkington **Optitherm**™ S1 Plus – 16 mm argon – 6 mm Pilkington **SaniTise**™ Clear THS	61	30	29	37	41	22	40	0.46	1.0
Solar control									
6 mm Pilkington **Suncool**™ 70/35 THS – 16 mm argon – 6 mm Pilkington **SaniTise**™ Clear THS	66	19	22	32	36	32	35	0.40	1.0
6 mm Pilkington **Suncool**™ 60/31 THS – 16 mm argon – 6 mm Pilkington **SaniTise**™ Clear THS	56	14	23	27	34	39	30	0.35	1.0

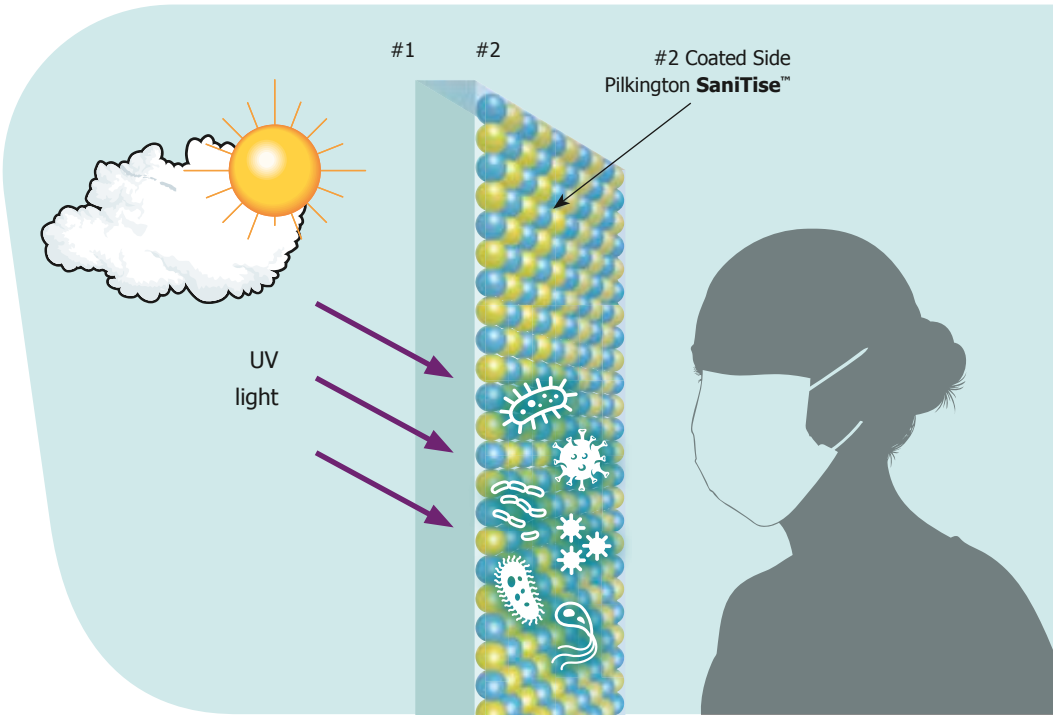
The above performance data has been determined in accordance with EN 410 and EN 673.
Pilkington **SaniTise**™ coating on surface #4 in double glazing units.
Pilkington **Suncool**™ coating on surface #2 in double glazing units.
Pilkington **Optitherm**™ S1 Plus coating on surface #2 when used as the outer pane of a double glazing unit.
THS refers to heat soaked toughened glass.

How it works

The glass uses a 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 artificial UV light sources, it becomes 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.

Pilkington **SaniTise**™ coating must be UV activated to be beneficial



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

Pilkington United Kingdom Limited
Registered office: European Technical Centre
Hall Lane, Lathom, Nr Ormskirk, Lancashire L40 5UF
enquiries@pilkington.com
www.pilkington.co.uk

11567 – April 2022