



Technical Bulletin

This document has been created to help identify compatible materials for use with Pilkington **SaniTise™**. It contains information which is designed to provide you with up-to-date information about the technical aspects of Pilkington **SaniTise™**, in particular glazing materials that are compatible with the product.

The use of incorrect materials and in particular silicone-containing products with Pilkington **SaniTise™** can affect its performance.

If you have any further questions, please contact your NSG Group Sales Manager. Additional advice can be found in the "Handling and Processing Guidelines for Window Manufacturers" and local brochures. Further information is also available from our website:



<https://www.pilkington.com/en/global/products/product-categories/health-applications/pilkington-sanitise#brochures>

There may be other equivalent products that are also compatible, but which have not been named. For any product, guidance should be sought from the supplier regarding its suitability as a glazing material, or its compatibility with other glazing materials. The glazing method should also take into account the recommendations given in relevant national standards, regulations, codes of practice and recommendations of the manufacturer or supplier of the glazing material.

Please check with the supplier that they have not changed their raw materials or manufacturing process in any way that would affect their product's compatibility. NSG Group supply this information as a service to their customers but accept no responsibility for any loss or damage incurred as a result of using this information.

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- 2 Cleaning Agents
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Note:

When referring to Pilkington **SaniTise™** it includes Pilkington **SaniTise™** Clear, Pilkington **SaniTise™** OW, Pilkington **SaniTise™** Grey and Pilkington **SaniTise EverGreen™**.

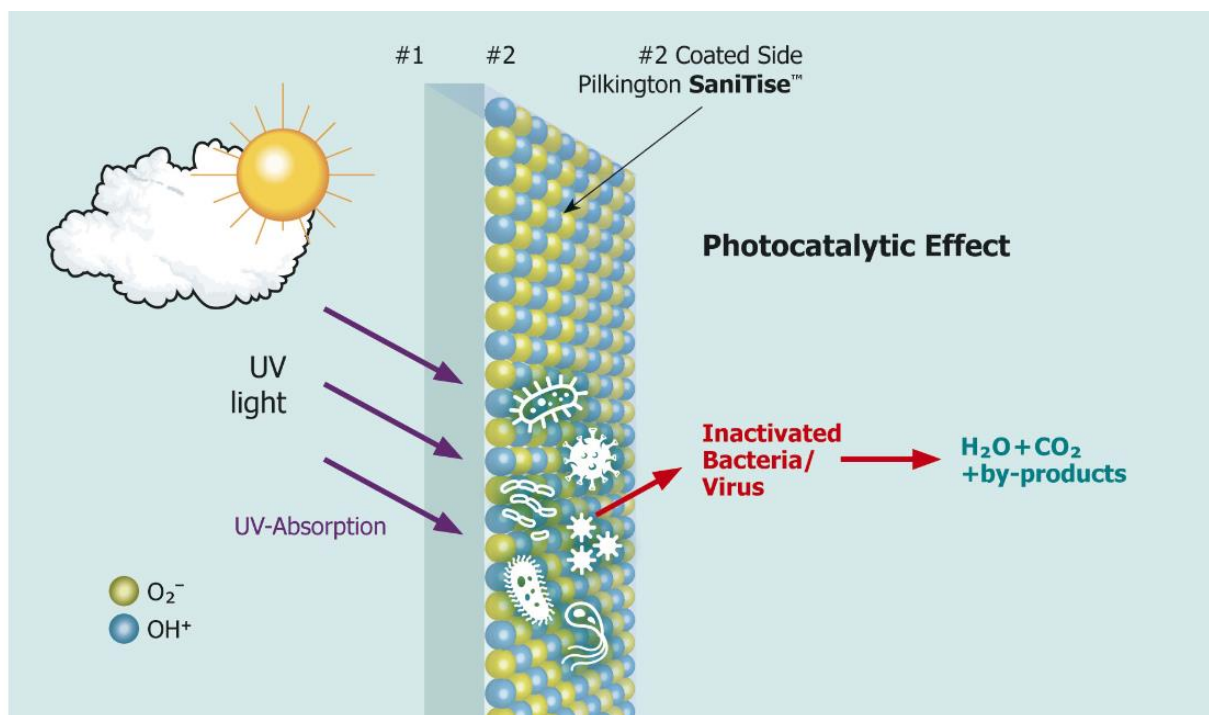
1 Introduction

Pilkington **SaniTise™** is a pyrolytic coated glass that provides antimicrobial properties. It helps protect against enveloped viruses and bacteria which was tested by leading universities and independent laboratories

Pilkington **SaniTise™** is a TiO_2 photocatalyst, which is naturally activated through exposure to daylight. It is a transparent coating, that can be used in all glazing applications with access to UV. It is fully toughenable and bendable and is highly resistant to corrosion and chemical and mechanical damage.

Product is a photocatalyst, using UV energy and airborne moisture to generate reactive oxygen species (ROS).

It is these ROS which inactivate the viruses and bacteria on the surface of the glass.



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2 Cleaning Agents

The use of abrasive cleaners on Pilkington **SaniTise™** is considered as a remedial action which should only be undertaken after consultation with the NSG Group Technical Advisory Service.

Due to the nature of these materials, work should only be undertaken after reading the manufacturers' relevant safety literature. NSG Group cannot guarantee the effectiveness of the treatment or the effect the treatment will have on the coating as this will be severely affected by factors outside NSG Group's control, for example the nature and amount of the deposit.

Table 1 lists the names of cleaning agent suppliers which have products that are compatible with Pilkington **SaniTise™**.

3M Scotch
Ajax
Bluesky
Bohle
Caramba
CIF
Cleani Glass Universal
Cosmofen 10 and 20 (with water rinse)
Decra Clean
Denk Mit Glasreiniger
Domol Glasklar
Dow Chemical
Elite Force
Ettore
Fenosol
Frosch
Ritec International
HG
Innotec Easy Clean
Kent
Kristall Fenster
Mr Muscle Window Cleaner
Nationwide Glass Cleaner
Nova Window Cleaner
Ritec Glass Cleaner
<u>Sidolin</u>
Safeway Vecta Window Cleaner
Spontex Glass Wipes
Spray Clean Glass Universal

Note:

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Sure Chemicals Ltd
Safeway Vecta Window Cleaner
Spontex Glass Wipes
Spray Clean Glass Universal
Süddeutsche RADORA Erzeugnisse
Sure Chemicals Ltd
UVTek Professional Glass Cleaner
Windowlene
Wilko Window Cleaner
<u>Würth Cleaners</u>
Zack Glasreiniger

Tab. 1: List of approved cleaning agent suppliers

Note:

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3 **Glazing**

Dry Glazing

When glazing Pilkington **SaniTise™** the strongly preferred option is to use a co-extruded gasket or a dry rubber gasket.

Only if the use of a dry gasket or co-extruded system is not possible should a rubber gasket lubricated with glycerol or alternative silicone free / siloxane free lubricant be used.

Under no circumstances should a silicone oil lubricated gasket be glazed against Pilkington **SaniTise™**. This is because silicone oils have leaching properties and therefore are likely to cover the antiviral coating of Pilkington **SaniTise™**.

Wet Glazing

As with all sealant applications, it should be checked with the sealant supplier that the material is suitable for the intended application.

If there is a straightforward pathway for water run-off between the caulking and the Pilkington **SaniTise™** surface, the caulking material used should NOT be silicone. Alternatives include Silicone hybrids, MS Polymers and polyurethanes.

Table 2 lists the names of dry gasket suppliers marked with (1) and wet sealant suppliers marked with (2) which are known to have products that are compatible with Pilkington **SaniTise™** listed by countries.

Note:

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Austria	
Bostik ²	www.bostik.com
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
Ramsauer GmbH ²	www.ramsauer.at
Semperit ¹	www.semperit.at
Würth ²	www.wurth.com

Belgium	
Bostik ²	www.bostik.com
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
Kent Industrial ²	www.kent europe.com
Phoenix Benelux BVBA ¹	www.phoenix-benelux.com
Schlegel ¹	www.schlegel.co.uk
Soudal ²	www.soudal.be
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Würth ²	www.wurth.com

Denmark	
Bostik ²	www.bostik.com
DANA LIM A ²	www.danalim.com
Den Braven ²	www.denbraven.nl
Kent Industrial ²	www.kent europe.com
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Tremco ¹	www.tremco europe.com
Würth ²	www.wurth.com

Finland	
Den Braven ²	www.denbraven.nl
FinnProfiles Oy ¹	www.finnprofiles.com/
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Tremco ¹	www.tremco europe.com
Würth ²	www.wurth.com

France	
ATE Distribution ²	www.atevitrates.com/
Bostik ²	www.bostik.com
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
Kent Industrial ²	www.kent europe.com
PRODEX ¹	www.prodex-elastomeres.com
Semperit ¹	www.semperit.at
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Tremco ¹	www.tremco europe.com
Würth ²	www.wurth.com

Note:

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Germany	
AKEMI GmbH ²	www.akemi.com
AVATEC Industrieprodukte GmbH ¹	www.avatec.de
Barbe ¹	www.barbe.de
BIW Isolierstoffe GmbH ¹	www.biw.de
Bostik ²	www.bostik.com
Deflex-Dichtsysteme ¹	www.deflex.de
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
EGO ²	www.ego.de
Evonik Nutrition & Care GmbH ¹	www.getren.com
Fa. Dätwyler Inter GmbH ¹	www.daetwyler.ch
Fa. Fenoplast Fügetchnik GmbH ²	www.fenoplast.de
Fa. M.O.L. Gummiverarbeitung ¹	www.mol-seals.de
GTG Gummitechnik W. Bartelt ¹	www.gtg-group.com
Henkel AG & Co. KGaA ²	www.henkel.com
Hermann Gutmann Werke AG ¹	www.gutmann.de
IEB Gummitechnik Eisele & Co ¹	www.ieb-gummitechnik.de
Kent Industrial ²	www.kenteurope.com
KORALUB ¹	www.obermeier.de
Leeser GmbH ¹	www.leeser.de
M + R Dichtungstechnik GmbH ¹	www.mur-dichtungstechnik.de
M+S Silicone GmbH ¹	www.ms-silicon.de
Meteor Gummiwerke ¹	www.meteor.de
Phoenix Benelux BVBA ¹	www.phoenix-dt.de
Rehau AG ¹	www.rehau.com
REIFF Technische Produkte GmbH ¹	www.reiff-gruppe.de
Saargummi ¹	www.saargummi.de
Schill + Seilacher AG ¹	www.struktol.de
Schlegel ¹	www.schlegel.co.uk
Semperit ¹	www.semperit.at
Silex GmbH ¹	www.Silex-silikon.de
Sipro (Saint Gobain Performance Plastics SIPRO GmbH ¹	www.sipro.de
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Tremco ¹	www.tremcoeuropa.com
Tremcoillbruck ²	www.tremco-illbruck.com
Wilfried Becker GmbH ¹	www.baulager.de
Würth ²	www.wurth.com

Greece	
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com

Ireland	
Bostik ²	www.bostik.com
Würth ²	www.wurth.com

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Italy	
ATEL SRL ¹	www.atelitalia.com
Bostik ²	www.bostik.com
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
Gruppo BMP ¹	www.bmp.it
Kent Industrial ²	www.kenteurope.com
Schlegel ¹	www.schlegel.co.uk
Semperit ¹	www.semperit.at
Tremco ¹	www.tremcoeuropa.com
Würth ²	www.wurth.com

Netherlands	
Bostik ²	www.bostik.com
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
Flevo Rubber ¹	www.flevo-extrusion.nl
Kent Industrial ²	www.kenteurope.com
Semperit ¹	www.semperit.at
TPP ¹	www.tpp-bv.com
Vredestein ¹	www.vredestein-sealings.com
Würth ²	www.wurth.com

Norway	
Hydro Polymers ¹	www.hydro.com
Mehren ¹	www.mehren.no
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Würth ²	www.wurth.com

Poland	
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
Sanok ¹	www.sanokrubber.com
Selena FM S.A. Poland ²	www.selena.com
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Tremco ¹	www.tremcoeuropa.com
Würth ²	www.wurth.com

Sweden	
Kent Industrial ²	www.kenteurope.com
Semperit ¹	www.semperit.at
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Tremco ¹	www.tremcoeuropa.com
Würth ²	www.wurth.com

Spain	
Bostik	www.bostik.com
Dow Silicones	www.dow.com
Kent Industrial	www.kenteurope.com

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Switzerland	
Fa. Dätwyler Inter GmbH ¹	www.daetwyler.ch
Merz and Benteli AG ²	www.merz-benteli.ch
Den Braven ²	www.denbraven.nl
Dow Silicones ²	www.dow.com
Würth ²	www.wurth.com

Turkey	
Conta flexible products ¹	wwwConta.com.tr
Secil Rubber Industry & Trading Inc ¹	www.secitr.com

United Kingdom	
Bostik ²	www.bostik.com
CGP Chemicals Ltd ¹	www.cgpchemicals.co.uk
Deceuninck ¹	www.deceuninck.co.uk
Den Braven	www.denbraven.nl
DJ Profiles ¹	www.trelleborg.com
Dow Silicones ²	www.dow.com
Duraflex ¹	www.duraflex.co.uk
Euroseal ¹	www.euroseal.co.uk
Fabprene ¹	www.fabprene.co.uk
Geocel ²	www.geocel.co.uk
illbruck Sealant Systems UK ²	www.illbruck.com
Industrial Flexo ¹	www.avon-rubber.com
J Allcock and Sons Ltd ¹	www.allcocks.co.uk
Kent Industrial ²	www.kenteurope.com
Linear ¹	www.linearcomposites.net
Marbocote Ltd. ¹	www.marbocote.co.uk
Metal Technology ¹	www.metaltechnology.com
PAL Glazing ¹	www.palgroup.co.uk
Profile 22 ¹	www.profile22.co.uk
Ravenscroft Plastics ¹	www.ravenscroft.co.uk
Reddiglaze ¹	www.reddiglaze.com
SAPA ¹	www.sapabuildingsystems.co.uk
Savatech ¹	www.savatech.co.uk
Scapa ²	www.scapa.com
Schlegel ¹	www.schlegel.co.uk
Semperit ¹	www.semperit.at
Senior Aluminium Systems ¹	www.senioraluminium.co.uk
Shand Higson ²	www.shandhigson.co.uk
Sika ²	www.sika.co.uk
Synseal ¹	www.synseal.com
Technibond ²	www.technibond.co.uk
Trelleborg ¹	www.trelleborg.com/industrialprofiles
Tremco ¹	www.tremcoeurope.com
Ultraframe ¹	www.ultraframe.com
Ultraframe ²	www.ultraframe-conservatories.co.uk
Veka Ltd ¹	www.vekauk.com
Würth ²	www.wurth.com

Tab. 2: List of dry gasket suppliers (1) and wet sealant suppliers (2) by countries

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4 Glazing Systems

The following table 3 lists glazing system suppliers which provide products compatible with Pilkington **SaniTise™**. Please check with your supplier to ensure gaskets lubricated with silicone emulsion are NOT used in sloped installations. Table 3 shows the approved glazing system suppliers listed by countries.

Austria	
Technal	www.technal.com

Belgium	
Technal	www.technal.com
Rehau	www.rehau.com

Denmark	
Rehau	www.rehau.com
Technal	www.technal.com

France	
Kawneer	www.kawneereurope.com
Profine Group	www.profine-group.com
Rehau	www.rehau.com
Santoprene	www.santoprene.com
Technal	www.technal.com

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Germany	
Akotherm GmbH	www.akotherm.de
Aluplast	www.aluplast.de
Brüggmann	www.brueggmann.de
Gealan	www.gealan.com
Gutmann	www.gutmann-aluminium.de
Heroal	www.heroal.de
Hueck/Hartmann	www.eduard-hueck.de
Inoutic Thyssen Polymer	www.deceuninck.de
Kawneer	www.kawneereurope.com
Klima Flex	www.klimaflex.de
Kömmerling, KBE, Trocal (Profine)	www.profine-group.com
Raico	www.raico.de
Rehau	www.rehau.com
Reynaers	www.reynaers.com
Salamander	www.brueggmann.de
Santoprene	www.santoprene.com
Schilling GmbH	www.schilling-wintergarten.de
Schüco	www.schueco.de
Schüt-Duis	www.schuet-duis.de
Solarlux	www.solarlux.com
Sykon	www.sykon.de
Technal	www.technal.com
TS Aluminium	www.ts-alu.de
Veka	www.veka.de
Wicona	www.wicona.de

Italy	
Profine Group	www.profine-group.com
Santoprene	www.santoprene.com
Technal	www.technal.com

Netherlands	
Kawneer	www.kawneereurope.com
Rehau	www.rehau.com
Technal	www.technal.com

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Norway	
Rehau	www.rehau.com
Technal	www.technal.com

Poland	
Rehau	www.rehau.com
Santoprene	www.santoprene.com
Technal	www.technal.com

Spain	
Profine Group	www.profine-group.com
Santoprene	www.santoprene.com
Technal	www.technal.com

Sweden	
Rehau	www.rehau.com
Santoprene	www.santoprene.com
Technal	www.technal.com

Switzerland	
Jansen AG	www.jansen.com
Technal	www.technal.com
Rehau	www.rehau.com

United Kingdom	
DRL	www.oskomera.nl/DR
Heywood Williams	www.heywoodwilliams.com
Kawneer	www.kawneereurope.com
Profine Group	www.profine-group.com
Rehau	www.rehau.com
Santoprene	www.santoprene.com
Technal	www.technal.com
Technal Viking	www.technal.co.uk

Tab. 3: List of approved glazing system suppliers by countries

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