



ACTIVE SANITISER is a complex polymeric biocide in a ready to use solution providing rapid and ongoing antibacterial and antiviral action on treated surfaces and hands. Attacking protein and lipid structures, including those encapsulating envelope viruses such as COVID-19 PTC XtraSAN has demonstrated effectiveness against viruses on hard and nonporous surfaces.

The product is non-toxic, non-irritant, non-hazardous and environmentally friendly, making it the market leader for a combined hand and surface sanitiser.

PTC XtraSAN - Unlike any other sanitiser

Benefit	70% alcohol rub	PTC XtraSAN
Kills 99.99% bacteria	✓	✓
Kills 99.9999% bacteria	x	✓
Moisturises hands	x	✓
Non flammable	x	✓
Use for both hands and surfaces	x	✓
Builds up a protective film	x	✓
Doesn't dry out your skin	x	✓
Long lasting on surfaces up to 7 days	x	✓
100% alcohol free	x	✓
Available in aerosol for atmosphere sanitisation	x	✓



Effective against bacteria to BS EN 1276 and BS EN 13697 and against viruses to BS EN 14476 (including all Coronaviruses)

ATOMISED GATEWAY is a ready to use polymeric biocide sanitiser solution for the 'Gateway Entrance' providing a fast and effective disinfection of personnel on entry and exit of buildings that may be carrying on their hands and clothing viruses and bacteria.

The 'Gateway Entrance' senses as a person enters the spray gate and will automatically spray a fine mist of ATOMISED GATEWAY sanitiser as they pass through the gateway. Set at 3 seconds application this will provide a 97% coverage.

- Up to 9 passes per minute / 540 per hour
- 40 passes with just 1 litre of ATOMISED GATEWAY
- No exposure controls required



Effective against bacteria to BS EN 1276 and BS EN 13697 and against viruses to BS EN 14476 (including all Coronaviruses)

SURFACE COAT is a clear Epoxy Resin coating with a unique UV Indicator that will form a strong protective layer that has excellent resistance to viruses* bacteria and mould. The product can be applied through an approved PTC XtraSAN installer using a brush, roller, trowel or spray gun. The unique UV indicator will provide a control measure for the reapplication requirements. (*Effective **SARS-CoV- 2**)

The product can be applied onto wood, bamboo, solid surface, metal, cement, concrete, stone, marble, and many other material and surfaces.

- One application could last for years
- UV indicator enables maintenance/ periodic programme
- Non-toxic and Solvent Free
- Flame Retardant
- Slip Resistance



World Leading solutions to suppress the spread of Covid-19: PTC XtraSAN

HSBC paper on the impact of Covid-19

“Perhaps the biggest crisis of our generation. The decisions people and governments take in the next few weeks will probably shape the world for years to come.” – Yuval Noah Harari, Historian & philosopher

Introduction

The COVID-19 outbreak has resulted in one of the largest ever shocks to the UK economy and public finances. The UK economy in May was approximately a quarter² smaller than in February 2020 and the Office for Budget Responsibility (OBR) assesses that the country is on track to record the largest annual fall in GDP in 300 years³.

As a result on 11th May the UK Government published ‘Our plan to rebuild’: the UK Government’s COVID-19 recovery strategy.

The Government’s aim at the centre of that plan was to return to life as close to normal as possible, for as many people across the UK as possible, as fast and fairly as possible; in a way that avoids a new epidemic, minimises lives lost and maximises health, economic and social outcomes.

Preventing the spread of Covid-19.

Suppressing Covid-19 is fundamental to the success of the government’s strategy through tighter control on sanitisation and social distancing through all sectors of the economy. The outcome desired by government is to stimulate the economy and public well-being, and this means being able to loosen restrictions on key sectors in the economy, where home working is often not possible.

These are:

- Sport and Leisure
- Travel and Tourism
- Sport Events
- Retail

In addition to the above, there is the need to keep educational services open and safe. The government paper [of 11th May 2020] outlines the “commitment from everyone to protect each other and support our economy and from the government to build the world-beating test and trace system, and support our services and businesses; from our world-leading scientists to find effective treatments and a vaccine”

PTC XtraSAN offers a major breakthrough in the battle to suppress the spread of Covid-19 and will support the government’s strategy to unlock the key sectors that drive economic growth and the desire to keep the R value closer to 0.5 than 1.0.

An overview of this is shown below: -

SECTOR	Risk hotspots	PTC XtraSAN	Method	Impact of PTC XtraSAN Application	Dosage
EDUCATION	Difficult to manage social bubbles with the daily migration of pupils & staff	ATOMISED	Dry Mist Gateway at school entrances	Kills 99.9999% of bacteria on clothes/ shoes/ hands/ all areas of contact through the Gateway Prevent virus migration and gives ongoing anti bacterial protection during the day	Single /Daily
EDUCATION	Surfaces such as desks, walls, floors, door handles and areas of high people contact.	SURFACE COAT	Liquid spray applied to kill bacteria and form a base protective barrier	Kills 99.9999% of bacteria PLUS unique benefit as creates a residual barrier that prevents any new bacteria forming on surfaces	One application until UV alert
EDUCATION	Unholstered chairs/ and other fabric based fittings. Difficult to clean	ACTIVE	Easy applied liquid or aerosol spray.	Will kill bacteria and create a residual surface barrier that will prevent Covid -19 forming on the surface. Will give additional top up to epoxy surface coat. Creates a residual barrier that prevents any new bacteria forming on surfaces	Single /Daily
EDUCATION	External service providers.	ACTIVE	Hand Dispensers	Kills 99.9999% when applied to hands and an ongoing protective coating that doesn't dry out skin	Single /Daily
EDUCATION	Bus and taxi transportation of pupils.	ACTIVE	Easy applied liquid or aerosol spray. Use with Surface Coat for max benefit	Will kill bacteria and create a residual surface barrier that will prevent Covid -19 forming on the surface. Will give additional top up to epoxy surface coat. Creates a residual barrier that prevents any new bacteria forming on surfaces	Single /Daily
TOURISM	Uk Borders/ movements between overseas countries/ travel hubs	ATOMISED	Dry Mist Gateway at entrances	Kills 99.9999% of bacteria on clothes/ shoes/ hands/ all areas of contact through the Gateway Prevent virus migration and gives ongoing anti bacterial protection during the day	Single /Daily
TRAVEL	Plane and train seats/floors/ cabin & carriage surfaces.	SURFACE COAT	Applied to form a base protective barrier	Kills 99.9999% of Viuses and Bacteria. PLUS unique benefit as creates a residual barrier that prevents any new bacteria forming on surfaces	One application until UV alert
TOURISM	Airport/station reception / check in points	ACTIVE	Easy applied liquid or aerosol spray. Use with Surface Coat for max benefit	Will kill bacteria and create a residual surface barrier that will prevent Covid -19 forming on the surface. Will give additional top up to epoxy surface coat. Creates a residual barrier that prevents any new bacteria forming on surfaces	Single /Daily
TRAVEL	Airport security /screening	ACTIVE	Hand Dispensers	Kills 99.9999% when applied on hands and ongoing protective coat	Single /Daily
SPORT	External sport venues entry areas	ATOMISED	Dry Mist Gateway at Stadium Entrances	Kills 99.9999% of bacteria on clothes/ shoes/ hands/ all areas of contact through the Gateway Prevent virus migration and gives ongoing anti bacterial protection during the event	Single /Daily
LEISURE	Entry into any theatre/ health clubs	ATOMISED	Dry Mist Gateway at Entrance	Kills 99.9999% of bacteria on clothes/ shoes/ hands/ all areas of contact through the Gateway Prevent virus migration and gives ongoing anti bacterial protection during the event	Single /Daily
SPORT	Stadium Seating / all used equipment	SURFACE COAT	Applied to form a base protective barrier	Kills 99.9999% of Viuses and Bacteria. PLUS unique benefit as creates a residual barrier that prevents any new bacteria forming on surfaces	One application until UV alert
LEISURE	Theatre Seating / all used surfaces	ACTIVE	Easy applied liquid or aerosol spray. Use with Surface Coat for max benefit	Will kill bacteria and create a residual surface barrier that will prevent Covid -19 forming on the surface. Will give additional top up to epoxy surface coat. Creates a residual barrier that prevents any new bacteria forming on surfaces	Single /Daily
HEALTH CARE/ HOSPITALS	Visitors that may be disease carriers	ATOMISED	Dry Mist Gateway at Hospital entrances	Kills 99.9999% of bacteria on clothes/ shoes/ hands/ all areas of contact through the Gateway Prevent virus migration and gives ongoing anti bacterial protection during the event	Single /Daily
HEALTH CARE/ HOSPITALS	All surfaces in wards / corridors/ reception areas: walls, floors & door handles with high people contact.	SURFACE COAT	Applied to form a base protective barrier	Kills 99.9999% of Viuses and Bacteria. PLUS unique benefit as creates a residual barrier that prevents any new bacteria forming on surfaces	One application until UV alert
HEALTH CARE/ HOSPITALS	Daily Cleaning can kill bacteria but does not provide a shield against new bacteria	ACTIVE	Easy applied liquid or aerosol spray. Use with Surface Coat for max benefit	Will kill bacteria and create a residual surface barrier that will prevent Covid -19 forming on the surface. Will give additional top up to epoxy surface coat. Creates a residual barrier that prevents any new bacteria forming on surfaces	Single /Daily
HEALTH CARE/ HOSPITALS	Replace alcohol based hand sanitisers	ACTIVE	Hand Dispensers	Kills 99.9999% when applied on hands and ongoing protective coat	Single /Daily

PTC XtraSAN is a unique, British developed and manufactured product, that is an active sanitiser because it will sterilise surfaces and leaves a residual protective film that will protect against further bacteria forming. Without this there will be new contact points that will continue to spread Coronavirus.

The above sectors are highlighted as they are critical areas that impact the UK economy.

Example: Tourism alone estimates that there will be 75 million job losses worldwide, with a fall in revenue of \$2.1 trillion- source World Travel & Tourism Council, but the same case examples can be made for the retail sector, as well as factories and commercial offices across the UK.

Key Benefits of PTC XtraSAN against competitors

- Non-toxic, non-irritant, non-hazardous
- Alcohol Free
- Tested and Certified to BS EN Standards
- Unique combined product as its an Active Hand and Surface Sanitiser
- Active Sanitiser that last on Surfaces for up to 7 days
- Long lasting Surface Lacquer effective against **SARS-CoV- 2**
- British Developed

Summary

The absence of effective immunisation means additional methods are urgently required to support business and prevent an increase in infection. Without new, additional, science led solutions, the UK economy is likely to experience a further negative impact on economic growth.

Using PTC XtraSAN growing innovative product portfolio is critical to the government's strategy to make the virus' control more effective in all sectors of business and commerce and is substantiated by leading laboratory research.

Prices (these need looking at)