



Cicada Antimicrobial Surface Protection

High performance nano technology coatings – the ultimate in antimicrobial surface protection.

12 month continuous protection.

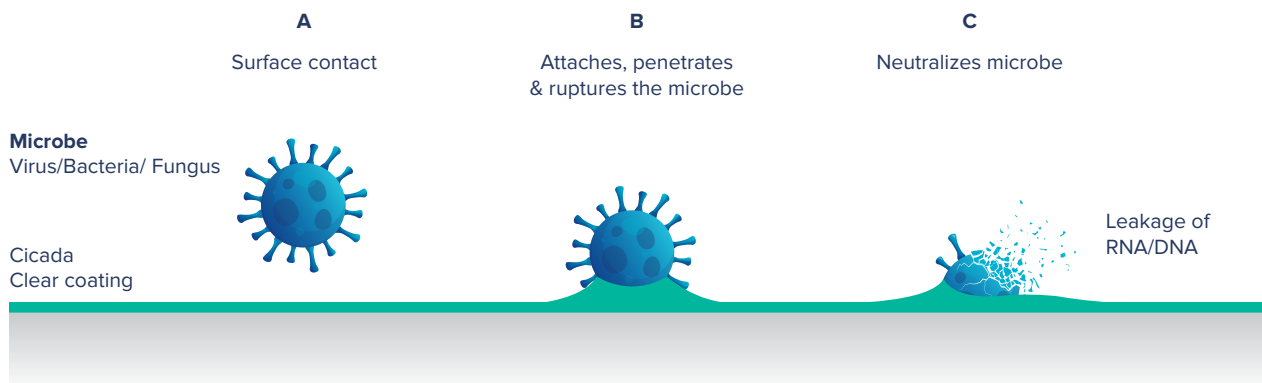


WHAT WE DO

Cicada Antimicrobial Surface Protection is a permanent bond, long-term antimicrobial, nano coating that is leading to the establishment of a new best practice in reducing microbial transmission from touch surfaces.

The nano coating forms a permanently bonded nano-scale layer of glass over the surface of base materials which not only makes the surfaces easier to clean as it **repels liquid and dirt**, it provides a protective antimicrobial layer which **constantly kills viruses, bacteria, moulds and fungi** that come into contact with it. The microbe is physically killed as the surface punctures the cell's outer wall and renders it inactive.

HOW IT WORKS



Nanotech Bonding

Cicada Antimicrobial Surface Protection is an innovative new nano technology coating that provides a durable bond to surfaces



12 Month Protection

Cicada Antimicrobial Surface Protection works around the clock from a minimum of 12 months to provide continuous long-term antimicrobial protection

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Cicada Antimicrobial Surface Protection offers:-

- Infection transmission reductions
- Safe antimicrobial functionality
- Permanent fungicidal function
- Prevention of microbial odours
- Prevention of mould growth
- Prevention of micro-scratches
- Easier and more thorough cleaning

APPLICATION

Cicada Antimicrobial Surface Protection is ideal for use in any area that has a regular flow of people.

The application of Cicada Antimicrobial Surface Protection creates an invisible seal of amorphous glass to protect health and well-being within its environment, particularly those who are susceptible to illness, promoting comfort, well-being, and safety.

Cicada Antimicrobial Surface Protection is ideal for use in a wide range of settings where it protects against infections on plastics, stainless steel or varnished surfaces.



High Touch Surfaces

Including door handles and touch plates, multiple contact keypads, input terminals, phones, keyboards, and other input devices that are in regular use



Public Transport

Bus, train and tram doors, seating, and handrails



Vehicles

Taxi's, fleet, and rentals vehicles



Care Facilities

Elderly care facilities



Work Settings

Office, factory, and mobile work settings including electrical office equipment



Hotel, Leisure & Retail

Sectors including gym equipment, gym lockers and benches, shopping trolleys/ baskets etc.



Sanitary Equipment

Sanitary Equipment



Surgeries

Treatment surfaces in medical and veterinary surgeries



Nurseries

Equipment and surfaces in children's nurseries



Houses

Houses where visitors risk infecting vulnerable people

TECHNOLOGY

Antimicrobial Technology describes the collective knowledge, expertise and methods of using additives to create products that permanently protect against microbes.

WHAT DOES ANTIMICROBIAL MEAN?

Antimicrobial is used to describe substances which demonstrate the ability to reduce the presence of microbes, such as bacteria and mould.

Thousands of viruses and infections rapidly spread through hand contact on commonly held equipment and surfaces every day.

Our new type of nano coating combines the durability of our nanoscale silicon dioxide active ingredient, with a new cell-busting antimicrobial technology. Positively charged nitrogen atoms attract negatively charged cell membranes and punctures and kills all microbes. This breakthrough technology has led to the introduction of our self-disinfecting coating, Cicada Antimicrobial Surface Protection - Powered by Liquid Guard® Technology (German Innovation Award Winner 2019).

Cicada Antimicrobial Surface Protection is applied as a 'stay clean' glass coating that provides long-term "full-kill" antimicrobial performance on all hard surfaces. This nano coating is ideal in communal 'danger zones' where bacteria thrive and infections spread.

Once applied it forms a long-lasting wear resistant, ultra-thin layer of 100% transparent amorphous glass. A unique GLIDE function ensures that at any abrasive contact materials glide over the treated surface and leave fewer traces. The certified and proven antimicrobial and antifungal effect lasts a minimum of 12 months.



EVIDENCE

Cicada Antimicrobial Surface Protection - Powered by Liquid Guard® Technology (German Innovation Award Winner 2019), protects service users against a wide range of diseases. During laboratory testing Cicada Antimicrobial Surface Protection has shown to be effective against and has been certified for use against:

- Proven antiviral activity against SARS-CoV-2
- TGEV Coronavirus
- Influenza A
- Staphylococcus aureus (MRSA = methicillin-resilient Staphylococcus aureus)
- Escherichia coli (intestinal bacteria)
- Klebsiella pneumoniae (odour-creating bacteria)
- Listeria monocytogenes (food-stuff)
- Salmonella choleraesuis (food-stuff)
- Aspergillus niger (slightly sporicidal)
- Pseudomonas aeruginosa
- Enterococcus hirae

view all test reports: cicada.pro/test-reports/



FAQs

Does Cicada Antimicrobial Surface Protection protect from Coronavirus?

Cicada Antimicrobial Surface Protection active ingredient Liquid Guard® is certified to kill TGEV Coronavirus and the Influenza A virus on surface contact, please see the independent test reports. The TGEV Coronavirus has the “enveloped virus” model structure of SARS CoV and due to Liquid Guard’s independently verified effectiveness against it, we are certain that it is SARS CoV-2 effective.

We have also been advised by a leading independent disinfection specialist accordingly. Furthermore, its effectiveness against Influenza A, Klebsiella pneumoniae (Pneumonia), MRSA and E.coli along with many other bacterial microbes confirms its valuable contribution to continually reducing the chances of transient microbial infection.

Currently no coating products can be tested against SARS CoV-2 due to the fact the strain is only held by Govt Testing Labs’. Cicada Antimicrobial Surface Protection are seeking testing as soon as is possible.

Is Cicada Antimicrobial Surface Protection harmful?

Cicada Antimicrobial Surface Protection active ingredient Liquid Guard® has been dermatologically tested and classed as ‘excellent’ in terms of compatibility with skin contact.

Why should I believe that Cicada Antimicrobial Surface Protection gives 12 months of constant antimicrobial protection?

Cicada Antimicrobial Surface Protection active ingredient Liquid Guard® has been tested for its resilience and anti-abrasion qualities as well as its ability to deliver a physical, non-mutating 99.9% kill (known as a full kill) against bacteria, viruses, algae and yeast.

Independent tests performed by leading European Test Agencies show Cicada Antimicrobial Surface Protection delivers a “full kill” continuously over 1 and 3 year accelerated test periods.

Weatherproofing tests have been successfully completed against ISO 11507A standards that represents the ability to remain effective over a 3 to 4 year cycle.

Abrasion resistance tests have been successfully completed against ISO 11998 standards that show Liquid Guard® bonds to the following surface types.

Glass, ceramic > 40,000 cycles according to ISO 11998 (cleaning with water).

Noble metals > 20,000 cycles according to ISO 11998 (cleaning with water).

Plastics > 5,000 cycles according to ISO 11998 (cleaning with water).

Do you have any certificates to prove the functionality of Cicada Antimicrobial Surface Protection?

Yes, all tests proving effectiveness against various viruses, bacteria and dermatological tests were conducted over the last 18 months in leading European laboratories.

How does Cicada Antimicrobial Surface Protection remove bacteria and how does it last so long on the surface?

Conventional antimicrobial products contain various solvents that wash off the surface very quickly. Cicada Antimicrobial Surface Protection active ingredient Liquid Guard® forms a strong bond with the surface thanks to a layer of nanoparticles that is mechanically stable. Sharp “needles” are created on the surface, which attract the cell membranes of microbes and physically pierce them, destroying them immediately after contact. Thanks to these unique properties, the coating delivers a long-term performance.

What hard /non absorbent surfaces can Cicada Antimicrobial Surface Protection be used on?

Cicada Antimicrobial Surface Protection active ingredient Liquid Guard® Coating is compatible with the following surfaces: Glass: Ceramics: Nobel metals (aluminium, stainless steel, brass, gold): Plastics made from e.g. PMMA, ABS, ECTFE, HDPE, LDPE, PA,PC, PMP, PP,PS, PVC, SAN or SI: Varnishes: Printed cardboards and wrapping

Can Cicada Antimicrobial Surface Protection damage any surface?

Cicada Antimicrobial Surface Protection active ingredient Liquid Guard® is a non-aggressive solution, does not harm compatible materials and can be used on glass, plexiglass, plastic, metal, lacquered wood, textile and leather materials, stone, ceramics and many more. You can also use Liquid Guard to disinfect your phone, tablet, keyboard, keys and many other everyday items.

Is Cicada Antimicrobial Surface Protection incompatible with any surfaces?

Coating CANNOT be used on the following surfaces: Surfaces that come into contact with food: Water sensitive surfaces, such as paper.

How long does it take to apply Cicada Antimicrobial Surface Protection?

The application time will vary depending on the area to be treated, however, after the coating has been applied the surface will need to cure for 6 hours before it can be used.

KILL LIST

VIRUSES

- TGEV Coronavirus (99.8%)
- Influenza A

BACTERIA

- Micrococcus sp.
- Staphylococcus epidermidis
- Enterobacter agglomerans
- Acinetobacter calcoaceticus
- Methicillin-resistant staphylococcus aureus
- Staphylococcus aureus
- Klebsiella pneumoniae
- Pseudomonas aeruginosa
- Streptococcus faecalis
- Escherichia coli
- Citrobacter diversus
- Salmonella typhosa
- Proteus mirabilis
- Salmonella choleraesuis
- Corynebacterium bovis
- Mycobacterium smegmatis
- Mycobacterium tuberculosis
- Brucella canis
- Brucella abortus
- Brucella suis
- Streptococcus mutans
- Bacillus subtilis
- Bacillus cereus
- Clostridium perfringens
- Haemophilus influenzae
- Lactobacillus casei
- Leuconostoc lactis
- Listeria monocytogenes
- Propionibacterium acnes
- Proteus vulgaris
- Pseudomonas cepacia
- Pseudomonas fluorescens
- Xanthomonas campestris

FUNGAL INFECTIONS

- Aspergillus niger
- Aspergillus fumigatus
- Aspergillus versicolor
- Aspergillus flavus
- Aspergillus terreus
- Penicillium chrysogenum
- Penicillium albicans
- Penicillium citrinum
- Penicillium elegans
- Penicillium funiculosum
- Penicillium humicola
- Penicillium notatum
- Penicillium variable
- Mucor sp.
- Trichophyton mentagrophytes
- Trichophyton interdigitale
- Trichoderma flavus
- Chaetomium globosum
- Rhizopus nigricans
- Cladosporium herbarum
- Aureobasidium pullulans
- Fusarium nigrum
- Fusarium solani
- Gliocladium roseum
- Oospora lactis
- Stachybotrys chartarum

ALGAE

- Oscillatoria borneti
- Anabaena cylindrica
- Selenastrum gracile
- Pleurococcus sp.
- Schenedesmus quadricauda
- Gonium sp.
- Volvox sp.
- Chlorella vulgaris

YEAST

- Saccharomyces cerevisiae
- Candida albicans
- Trichophyton mentagrophytes



CONTACT

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