

Did you know?

About 1 out of 25* admitted to hospital will contract a HAI (Hospital-acquired infections) That is why you need **SHIELD**.



Safety Net

brought to you by

The problem - Bacteria

Think about it - we carry the bacteria EVERYWHERE... because we take our Smartphones everywhere. They live in our pockets and purses, rubbing up against loose change, bank notes & who knows what else. In healthcare they are our constant companion for patient care going in and out of patient rooms. Our smart devices are our constant companions, and they are exposed to many bacteria.

PLUS, they THRIVE. The warmth of a phone is like breeding germs in a petri dish. Germs thrive in warm places. Not only does your Smartphone generate its own heat, but it also gets some help from your own body heat by spending time in your hands and next to your mouth. Many people don't think to disinfect their phones. It's no wonder, then, that Smartphones are prime breeding grounds for bacteria. It's a well-known fact that Smartphones are dirty objects, but just how unclean are they?

What we do to try and combat this:

Use sanitizer: Wipe in AM but by the time that you touch device again, the cleaned surface will be re-colonized with the pathogens we had come into contact with and with most chemical based wipes they do not stay wet long enough to work.

Use UV sterilization: Unlike chemical approaches to disinfection, UV light provides rapid, effective inactivation of microorganisms through a physical process. Ultraviolet light kills microorganisms by damaging DNA. UV radiation disrupts the chemical bond that hold the atoms of DNA together in microorganism rendering them incapable of reproducing and infecting. If damage is severe enough, bacteria can't repair itself. However, chemical approaches to disinfection and UV disinfection **do not kill all pathogens** and provide NO lasting or residual pathogen killing effect to stop the transfer of newly introduced pathogens from dividing and spreading.

PROBLEM:

No matter the method is used, pathogens are not completely killed so re-contamination occurs

IT'S A FACT

Smart devices are one of the **filthiest** things you come in contact with on a daily basis. That's something to think about the next time you press your face to your phone.

25,000 Germs/in²



1200 Germs/in²



SOLUTION:

Crystalusion™:

The solution is Crystalusion Biostatic Antimicrobial Liquid Glass, a patented surface coating which creates a permanent nanoscale layer with long term residual protection. This layer holds within it, antipathogen agents, which are slowly released from the surface. One single application creates a barrier on any surface applied to making it 99.9% germ free for up to **one** full year. It is the **ONLY** device antimicrobial product delivering **RESIDUAL** protection.



- ✓ CE CERTIFIED CLASS IIa MEDICAL DEVICE
- ✓ VAH LISTED
- ✓ ACTIVE ANTIPATHOGEN
- ✓ 100% DEVICE AGNOSTIC
- ✓ KILLS ON CONTACT 99.9% OF **ALL** BACTERIA, FUNGI AND VIRUSES

Hospitals & Clinical:

Our Liquid Glass coatings have been tested in the medical sector and have been awarded the NHS (National Health Service) Smart Trust Award for providing a solution to help combat Healthcare Associated Infections (HAIs). The results have **conclusively** proven that industrial Liquid Glass coatings are of enormous significance to the health care sector. In simple terms, the coatings can be used to create environments in which the bio burden is massively reduced and coated surfaces are exceptionally easy to clean. Our Liquid Glass coatings can be used on all mobile devices including smartphones, tablets and laptops.

Effective against:

Pathogens including Hepatitis, Influenza, HIV, Staphylococcus aureus, Pseudomonas aeruginosa, Candida albicans.

This semi-permanent nanoscale layer of Liquid Glass holds antipathogen agents which are slowly released whilst the layer is in place.

Crystalusion Transparent Liquid Glass Active Pathogen Protection



Crystalusion Liquid Glass Protection is biocompatible (tested under GLP conditions according to DIN EN ISO10993-1).

Crystalusion Liquid Glass Protection has been tested and assessed by world leading hygiene and microbiology institutes including the prestigious Les Hopitiaux Universitaires, Strasbourg and the Department of Medical Microbiology, Ankara.

This layer holds within it, antipathogen agents, which are slowly released whilst the surface is in place. One single application lasts up to 12 months so each Crystalusion Liquid Glass application gives long term protection.



Active Protection

Crystalusion Liquid Glass Protection is the world's first active antipathogen device sanitizer. One application delivers active protection against pathogen recontamination for up to 12 months- providing a safe, practical, user friendly solution for device sanitization.



Safe

Crystalusion Liquid Glass Protection is biocompatible (tested under GLP conditions according to DIN EN ISO10993-1) The Crystalusion Liquid Glass product is manufactured in Germany under the European Directive 93/42/EC and DIN 13485 -2003MPG.



Anti Bacteria

Crystalusion Liquid Glass Protection is not only effective against bacteria but it is also effective against a wide range of pathogens including Hepatitis, Influenza, HIV, Staphylococcus aureus, Pseudomonas aeruginosa & Candida albicans to name a few.



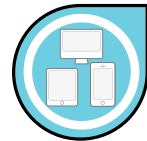
Bubble Free

Crystalusion Liquid Glass Protection is particularly unique, because it is applied as a liquid, air cannot become trapped between the Crystalusion layer and the device giving a completely bubble free application over the entire device - not just the screen.



100% Invisible

Crystalusion Liquid Glass will not affect the viewing clarity or aesthetic look of any device. Because the Crystalusion Liquid Glass layer is formed at the nanoscale level it is completely invisible to the naked eye and because it is 100% light permeable it will not alter screen resolution or color clarity.



Device Agnostic

Crystalusion Liquid Glass Protection is 100% device agnostic owing to its unique application process. Being applied in liquid form it can be applied to almost all device surfaces including smartphones, tablets and laptops, so any mobile device can be protected.



Easy Clean

Crystalusion Liquid Glass Protection makes device cleaning easy! Not only are the long term antibacterial effects confirmed but additional testing shows that Crystalusion Liquid Glass creates an easy-to-clean surface, which reduces the cleaning time of the protected surfaces significantly.



Clinically Proven

Crystalusion Liquid Glass Protection has been tested and assessed by world leading hygiene and microbiology institutes including Les Hopitiaux Universitaires, Strasbourg and the Department of Medical Microbiology, Ankara.