

Product Data Sheet

NewPro Crystalusion™ - Liquid Glass Protection

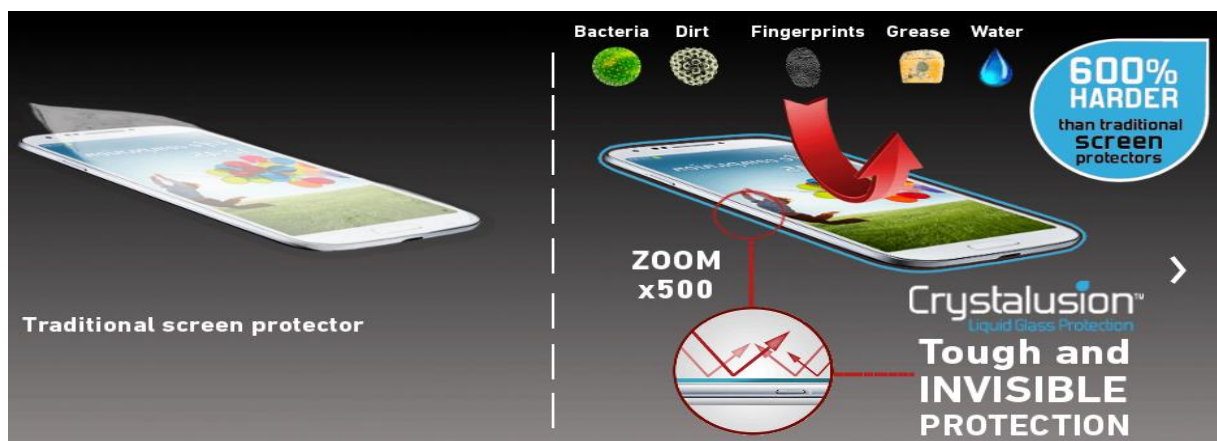
NewPro Crystalusion for mobile phones, tablets and touchscreen computers protects from germs, bacteria, dirt, oil, dust, abrasion, fingerprints and is water resistant



NewPro Crystalusion™ - Liquid Glass Protection

YOUR 100% BUBBLE FREE SCREEN & DEVICE PROTECTOR:

- Is Quick and easy to apply
- Offers a 100% bubble free protective layer
- Provides antimicrobial protection killing up to 99.9% of bacteria (Certified to ASTM International Standards E2180)
- Offers protection against abrasion (Certified to ASTM International Standards C1624-05 Quantitative Single Point Scratch Testing)
- Creates an easy to clean surface with the ability to remove superficial marks like finger prints with a single wipe
- Protects against water and humidity (Hydrophobicity)
- Protects against oil and oil based substances (Oleophobicity)
- Is 100% natural & eco-friendly



How it Works

NewPro Crystalusion™ - Liquid Glass Protection has been designed to protect multimedia devices including mobile phones, tablets, cameras, laptops, televisions, gaming consoles and satellite navigation systems. This revolutionary technology coats the surface with a protective layer of advanced nanotechnology. Each molecule is 500 times thinner than a human hair and covers the pores of the surface protecting it against bacteria, abrasion, dirt, grease and grime. Once applied, the newly coated device becomes extremely easy to maintain and cleaning only requires a simple wipe of the surface instead of the extensive rubbing required today.



Application Instructions

Step 1:



Gently clean the device with the pre-treated cloth contained in sachet 1. Ensure the entire surface area of the device is cleaned including the front, back, sides, top, and bottom and continue to clean until the cloth is completely dry. Allow the device to dry for several minutes.

NOTE: it's essential that all dirt, grime, fingerprints, cosmetics and oil deposits are removed prior to moving to the next step.

Step 2:



Next, coat the device in NewPro Crystalusion™ Liquid Glass Protection ("NewPro Crystalusion™") by wiping the device with the pre-treated cloth contained in sachet 2. Continue to apply to the device until the cloth is completely dry – this will take approximately 90 seconds. Ensure the entire surface area of the device is treated including the front, back, sides, top, bottom.

Step 3:



Allow at least 12 hours after completing Step 2 and proceeding to Step 3. The coated surface may show signs of smearing and the NewPro Crystalusion™ Liquid Glass Protection may leave a residue. Use the microfiber cloth provided to remove the residue by rubbing the surface in gentle circular motions.

NOTE:

The device can be handled lightly in the 12 hour period between Step 2 and Step 3 however, for optimum results we recommend that you coat the device immediately before a period where it is unlikely to be used, for example just before going to sleep.

IMPORTANT:

1. Switch off your device before application and ensure your device is disconnected from any power source and all cases, screen protectors, headphones, USB cables etc. are removed.
2. Do not apply excessive fluid to headphone sockets, charging ports and other sensitive apertures since this may damage your device and possibly void the manufacturer's warranty.
3. Do not apply NewPro Crystalusion™ products when near a source of ignition, this includes smoking.
4. Do not apply NewPro Crystalusion™ in direct sunlight and do not apply it to a hot device.
5. As our cleaner and NewPro Crystalusion™ Liquid Glass formula use an organic ethanol propellant we suggest testing colour fastness on an inconspicuous area prior to application, this is particularly important on painted or rubberised surfaces.

The Benefits:

- *is quick and easy to apply;*
- *offers a 100% bubble free protective layer;*
- *provides antimicrobial protection (Certified to ASTM International Standards E2180);*
- *offers protection against abrasion (Certified to ASTM International Standards C1624-05 Quantitative Single Point Scratch Testing);*
- *provides an easy to clean surface with the ability to remove superficial marks like finger prints with a single wipe;*
- *protects against water and humidity (Hydrophobicity); and*
- *protects against oil and oil based substances (Oleophobicity)*

Antibacterial:



There are many different types of bacteria lurking on multimedia devices. Dr. Simon Park from Surrey University published his findings with the Daily Mail demonstrating images from under the microscope of this problem. The article titled: "The petri-dish that is your iPhone: The pictures which reveal the hidden bacteria lurking on your mobile" explains the issue in more detail;

NewPro Crystalusion™ - Liquid Glass Protection is Antibacterial/Antimicrobial – which means it does not support the development of bacteria. When bacteria comes in contact with a treated surface it is not able to divide, through ionic exchange, and therefore dies.

Furthermore, CNN published an article produced by Health.com called "The 8 germiest places in the mall" which listed touch screen multimedia devices as a top bacteria conductor. Research has shown that NewPro Crystalusion™ - Liquid Glass Protection antimicrobial benefits are able to prevent bacteria from multiplying and spreading and therefore significantly reduce the risk of transmission.

Finger prints:



NewPro Crystalusion™ - Liquid Glass Protection is Oleophobic – which means it repels dirt/oil, which includes the residue left from touching a coated product with fingers, causing finger print marks. Fingerprints on the coated surface cannot stick to the NewPro Crystalusion™ - Liquid Glass Protection layer – which means they can be cleaned off with minimal wiping in comparison to an untreated surface, making a treated product quicker and easier to keep clean.

Water resistant:



NewPro Crystalusion™ - Liquid Glass Protection is Hydrophobic – which means it repels water. Because water molecules are larger than the matrix which makes up the liquid glass layer they are not able to penetrate it. Because the layer is exceptionally smooth water isn't able to easily adhere to the surface, this is particularly beneficial when wearing glasses in the pool. NB: NewPro Crystalusion™ - Liquid Glass Protection does not make electronic equipment waterproof.

Anti-Abrasion:



NewPro Crystalusion™ - Liquid Glass Protection forms a nanolayer of liquid glass over the treated surface. This liquid glass layer is exceptionally smooth and very hard so it is able to withstand scratching to a higher degree than most untreated surfaces. It is designed to withstand day to day abrasion and reduce the likelihood of scratch damage.

Lifespan:



12 months is the average life span of the NewPro Crystalusion™ - Liquid Glass Protection surface, for some users it will be more, for some it will be less – it all depends on the individual usage habits of the treated product.

The Technology

Smartphones have changed the way we communicate with people and keep up to date with everything that is happening around us. These devices have been around for over a decade but it is only since 2007, when the iconic iPhone was launched, that people developed the need to protect these devices. It was not only the fact that these devices were and still are extremely expensive but the outer case and the large touch screen are delicate and can be damaged relatively easily. Through this new wave of devices, emerged the infamous polyurethane screen protector and the stumpy case.

Over the last few years the smartphone has dominated the mobile phone market and this has now expanded even further with the introduction of the tablet device. Most manufacturers now have a range of tablet and smartphones in their portfolio and when an end customer acquires one of these devices, they have an immediate need to completely destroy the elegant appearance of the device by sticking a sticky plastic sheet across the screen which needs to be replaced within days. Why do this to one of your most valuable possessions and an object that identifies you?

The good news is that more and more smartphone users have stopped using these screen protectors. However, as a result, these devices are now exposed to the elements and there is a need for an alternative solution that protects the device without changing its appearance.

The Liquid Glass Nanotech team have been in search for a technology to produce innovative environmentally friendly protective coatings for users of smart devices leveraging the latest developments in nanotechnology. The answer to this is Crystalusion – Liquid Glass Protection.

Crystalusion – Liquid Glass Protection, a German engineered product, is a silicon based coating developed through extensive testing and research to offer one of the most advanced nano-coatings for today's devices. The experimental use of this technology, specifically nano-scale coatings began in the 1980's. In early 2000 commercial applications started to be developed and advanced products and applications were born. It was discovered that Liquid Glass offers protection from oil, moisture, dirt, bacteria and gave the surface unequalled abrasion resistance. The flexible and breathable liquid glass coating is approximately 100 nanometres thick, that's 500 times thinner than a human hair, and as a result is completely invisible but offers visible benefits?



For those that appreciate the science behind this technology it is worth noting that when applied it is imperative that the polymerisation process takes place allowing for the ultra thin layer of liquid glass to set correctly on the surface. What is amazing is that there are no glues or resins within the matrix of the structure of the coating. The Liquid Glass layer adheres through the Van Der Waals effect. This means that quantum forces draw the Liquid Glass molecules to the substrate layer it is coating.

As a result any device that gets coated with Crystalusion- Liquid Glass Protection becomes easy to clean and gives antimicrobial protection which is enhanced with the antimicrobial agent contained in the product. Once coated the entire device, including the cases if needed is protected.

Find out more about NewPro Crystalusion™ - Liquid Glass Protection by reading about the Benefits and How to Apply in order to achieve the best results. If you have any questions about NewPro Crystalusion™ - Liquid Glass Protection please visit the FAQ section, and if you don't find the answers to your questions, please contact us and our customer support team will be delighted to help.