



Swiss antimicrobial expertise
since 1935



Material
Protection



Hygiene
Function



GUIDE TO ANTIMICROBIAL GLOVES

Gloves are an essential item of PPE, but they are also likely to become necessary over a greater range of industries. In this guide we will cover the common glove types and how Sanitized® antimicrobial additives can be applied to reduce the transfer of microbes in polymer-based gloves.

Industrial and Work Gloves

Work gloves are available in many styles to suit many purposes and include cut resistant gloves, dipped gloves, flame resistant gloves, gripper gloves, builders gloves, leather gloves, foam coated gloves, and fabric gloves. Their purpose is to protect the wearer from any hazards within the work environment and they will be made to a standard to suit the risk associated with that environment. Often dictated by local health and safety regulations or best practice, work gloves can be made from a very wide range of natural or synthetic materials.



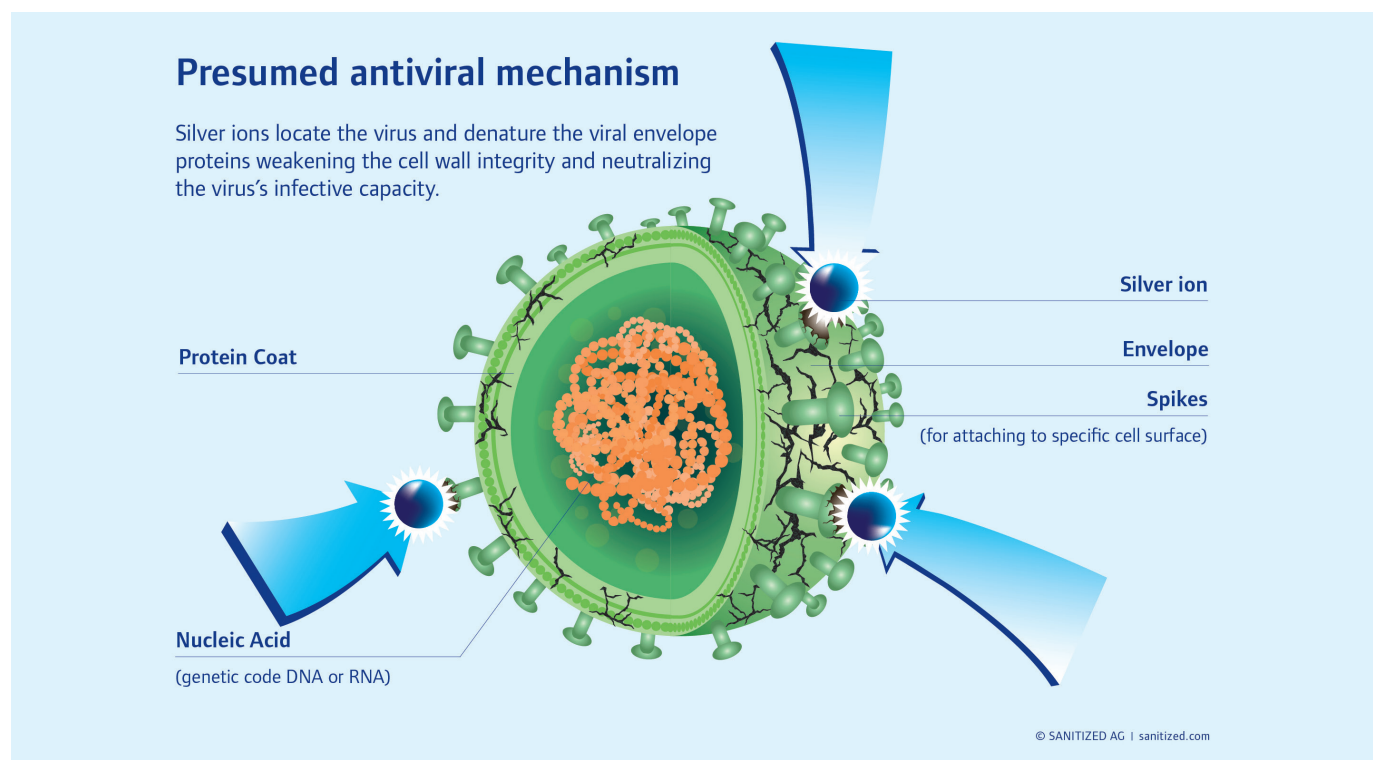
But what if the gloves themselves were antiviral – and effective against coronaviruses? Having SARS-CoV-2 resistant gloves available in these industrial settings could mean a lot of workers are better protected and could therefore help to prevent localised outbreaks.

How Do Sanitized® Products Inhibit Coronavirus?

While we understand that Sanitized® products are antimicrobial, and show good efficacy against viruses in general, we also understand that it is not responsible to claim specific antiviral efficacy without rigorous testing. Every end product treated with Sanitized® is required to be independently tested before claims can be made, however our results so far are very promising.

We are pleased to announce validation from impartial labs that several Sanitized® products are effective against feline coronavirus with structures and mechanisms similar to SARS-Cov-2 (in accordance with ISO 21702:2019). The viral efficacy was confirmed in various polymer carriers, but we will stress that every specific product application should be lab tested before confirming efficacy against a similar coronavirus, if not SARS-CoV-2 itself, should you want to claim antiviral efficacy against SARS-CoV-2 and follow the national regulations.

The mechanism by which the virus is destroyed in polymer products treated with Sanitized® is to do with the interaction between our biocidal actives and the characteristic spikes on the surface of the virus. The coronavirus spikes become attached to actives in the polymer product, destabilizing the virus structure and breaking the envelope. Once the envelope of any coronavirus-type cell is structurally damaged the cell is rendered ineffective and cannot reproduce as usual – essentially it is ‘killed’.



So similarly to bleach and alcohol, which destroy the cell envelope, Sanitized® products can prove effective against coronaviruses. The benefit of treating polymers such as gloves, [facemasks](#) and other items of PPE with Sanitized® antimicrobials is that they offer protection to repeat exposure to the viral cells. And while repeat use in a clinical environment is never advised, the effective destruction of the viral cell on the surface of the polymer can aid in reducing transmission between surfaces. This principle may also be applied to other polymer products which are suitable for antimicrobial additive treatments, further reducing the virus' ability to transmit via surfaces.

How Does Sanitized® Inhibit Other Microbes?

While antiviral efficacy is, understandably, of primary concern at this point in time, we'd like to detail the broad spectrum efficacy that Sanitized® antimicrobials possess against microbes in general.

Sanitized® antimicrobial ingredients have proven efficacy against:

- Viruses
- Bacteria
- Fungi
- Mould and Mildew
- Biofilm
- Algae

When added during the manufacturing process, our ingredients can help your product to achieve improved hygiene function, odour absorption and neutralisation, and preservation. A variety of physical mechanisms and chemical reactions facilitate the reduction or elimination of problematic microbes.

If you have specific antimicrobial challenges, speak with our experts to discover the best way to control, inhibit, or destroy these microbes to achieve a superior product.



Treating Your Gloves With Sanitized®

If you'd like to use Sanitized® in your products we recommend you first discuss this inclusion with our team to ascertain the best additive for your specific product.

Your resulting antimicrobial gloves will be considered a 'biocidal product' or a 'treated article', depending on the specific intended purpose of the gloves, under the Biocidal Product Regulation (BPR) and will be required to be listed and labelled as such. Our team of regulatory experts can help you determine whether your product will be listed as a 'biocidal product' or a 'treated article', and then advise you regarding regulations and compliant marketing of your product.

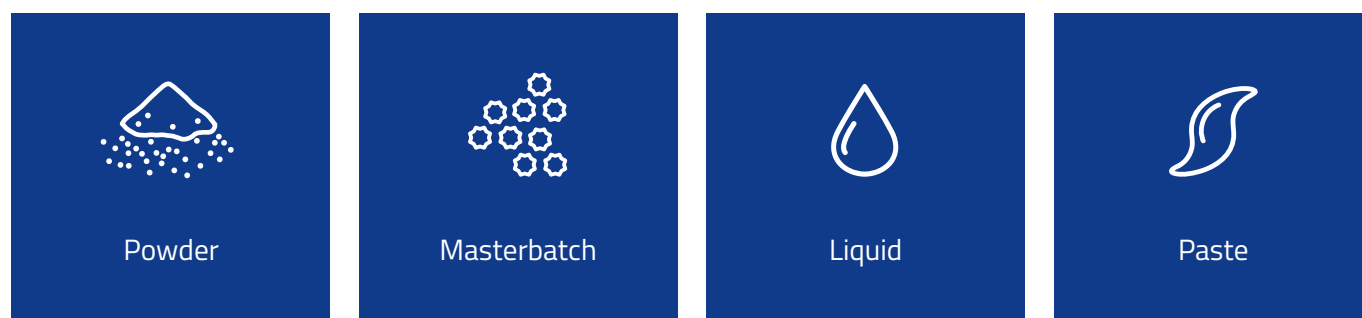
[You can find out more about treated Articles BPR by downloading our free guide here.](#)

[You may also be interested in our downloadable information relating to antiviral face masks which you can access here.](#)

Please note: you will be required to obtain test results confirming the glove's efficacy against a similar coronavirus, or specifically SARS-CovV-2 itself if you wish to claim your product is efficacious against this virus. We can advise of specific independent labs who can carry out this testing for you.

Polymers And Other Materials That Sanitized® Additives Can Be Used In

Sanitized® antimicrobial additives are available in a variety of delivery forms and can be added to virtually any article.



Polymers are a diverse group of materials, which present specific manufacturing challenges, but there is always an effective, simple way to add a Sanitized® antimicrobial additive – often at very low inclusion levels.

It will be necessary to determine the best Sanitized® additive for your specific application, our experts will take into account your industry, materials used, requirements, product purpose and manufacturing process. While we have discussed the addition of Sanitized® biocidal actives into polymers in this guide, it is pertinent to note that we can also treat fabrics, construction materials and paints.

Working With SANITIZED

SANITIZED AG based in Switzerland is a leading global supplier and manufacturer of antimicrobials (BP) for protective use in textiles and polymers. We have spent over 80 years perfecting our Sanitized® product as well as performing pioneering work into innovative, effective and safe antimicrobial treatment technologies.

Applications:

- Paints and Coatings
- PVC Film and Sheet
- Molded Articles
- Footwear
- Apparel
- Coated Fabrics
- PVC Profiles
- Automotive
- Wall Coverings

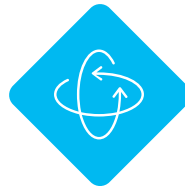
Sanitized® is a brand name and, at the same time, a seal of confidence, with which textile and polymer end products are labeled. When you choose to work with SANITIZED you have access to much more than just a superior product, you have access to our experience, expertise and support.



Our promised
service
performance



Innovative solutions
for your products



360-degree service:
support from
development to
marketing



Highest quality
for antimicrobial
efficacy



Verified safety due
to highest quality
standards



Decades of
experience



Differentiation from
the competition

Strong Partners

Fulfill the growing consumer demand for transparency along the entire production chain whilst securing a competitive advantage in the marketplace.

SANITIZED 360° Service Package

We offer you one-of-a-kind support along your path to success. SANITIZED unites Swiss antimicrobial solutions with expertise in technology, consulting, and marketing.



The Licensing Process

Over 400 Sanitized® license partners and renowned brands worldwide already use the Sanitized® Ingredient Brand. The process includes the following steps: Defining your needs and objectives, licensing agreement, co-branding support, and annual quality controls. Ask us for more information.

the.house

On our interactive consumer website, www.sanitized.house, the benefits of the Sanitized® hygiene function and material protection come to life as you scroll through our virtual home. Many examples of on-the-market Sanitized® treated items used in your daily life bring the variety of application possibilities closer to home. Step inside!

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