

# DRAPILUX

powered by **HEIQ<sup>®</sup> VIROBLOCK**

## HeiQ Viroblock Technology

- 99.99% tested against SARS-CoV-2 (COVID-19) and approved by an independent laboratory\*.
- destroys viruses and bacteria within minutes
- Hypoallergenic and harmless to health



EFFECTIVE PROTECTION AGAINST  
CONTAMINATION AND TRANSMISSION  
ON THE FABRIC

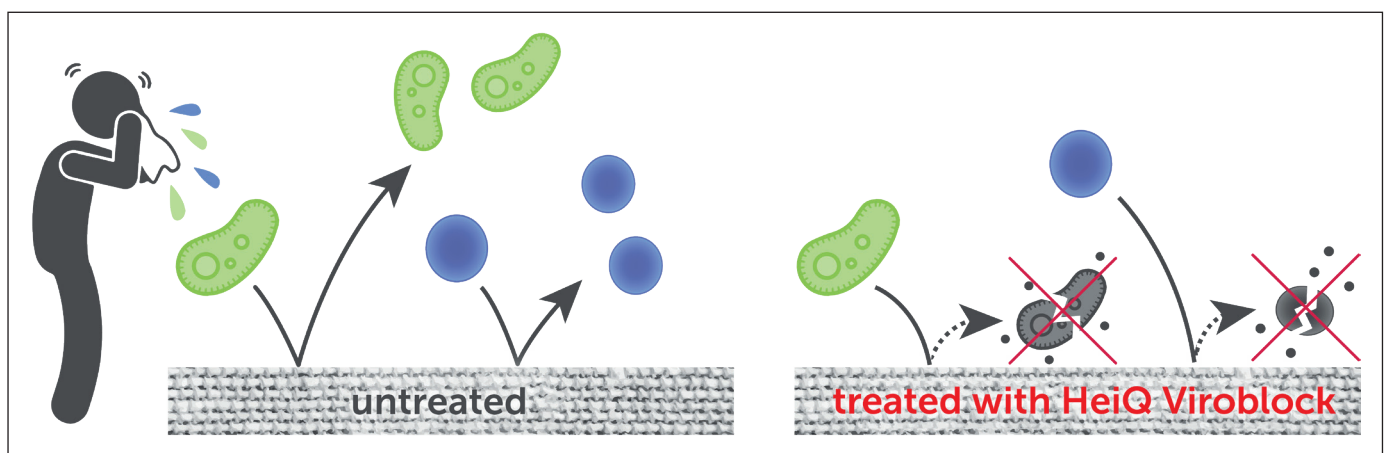
## More than just a fabric

We at drapilux are of the opinion that textiles which are exposed to high demands every day should be more than just beautiful. That is why we have developed the intelligent functions which help in everyday working life, provide a more pleasant room climate - and now also prevent the spreading of dangerous viruses via the textile.

Many viruses and bacteria are pathogens that can lead to serious illness and death. Viruses and bacteria can remain active on conventional textile surfaces from days to months. Together with the Swiss company HeiQ, we have succeeded in equipping selected drapilux articles with a new intelligent function.

The HeiQ Viroblock technology used is effective against widespread harmful enveloped viruses such as influenza and corona viruses, including the SARS-CoV-2 virus (COVID-19). This product has been treated with biocidal silver (active ingredient: silver chloride) to prevent contamination by germs and microbes. The finishing is applied at the end of the production process in our sustainability-certified textile production facility in Emsdetten, Germany.

Be one of the first customers to benefit from our new antimicrobial function for your projects. Contact your drapilux consultant for individual advice.



The HeiQ Viroblock technology actively block viruses and destroy bacteria on contact. By keeping the textile free of viable viruses and bacteria, textiles treated with HeiQ Viroblock technology help to minimize the potential for the retransmission of pathogens from textiles.

## How the HeiQ Viroblock technology works

### Function of the Silver components:

- Silver component attracts and binds the virus
- Silver attracts the oppositely charged viruses and binds permanently to their sulfur groups.
- Small (non-nano) silver particles are potent antibacterial and antiviral agents due to high surface area to volume ratio and unique chemical and physical properties.
- Small silver particles are effective against viruses, effectively eliminating them following short exposure of isolated viruses to silver.
- HeiQ small silver particles contribute to a broad-spectrum of antiviral mechanisms that are not prone to inducing resistance.

### Function of the Vesicle components:

- Vesicle component destroys the viral membrane.
- Subsequently, the fatty spherical vesicle technology helps to deplete the viral membrane of its cholesterol content in minutes – therefore the silver can destroy the virus rapidly.
- HeiQ Viroblock vesicle technology (Liposomes) works as a booster
- The vesicle technology functions by directly targeting the lipid envelope(membrane) surrounding the virus.
- The vesicle is a substance without any cholesterol content, on the contrary the viral membrane is comprised of cholesterol.

## Effective protection against contamination and transmission on the fabric

- Breakthrough, patent-pending combination of two complementary HeiQ technologies:
  - HeiQ's registered silver technology for antiviral and antibacterial (non-nano) action
  - HeiQs fat vesicle technology as a booster
- HeiQ Viroblock NPJ03 technology kills bacteria and destroys common harmful enveloped viruses (such as influenza and corona viruses) within minutes.
- Effective protection against contamination and transmission of viruses and bacteria that use textiles as host surfaces.
- High performance: The effectiveness of the HeiQ Viroblock technology is maintained up to 30 gentle wash cycles at 60°C.

### Important information for the further promotion of products equipped with HeiQ Viroblock.

It is essential to observe the local labelling obligations for biocides (and requirements for claims) in the individual countries. The guidelines can be obtained from HeiQ on request. HeiQ Viroblock-equipped products may not currently be sold in Canada. Please do not hesitate to contact HeiQ for further information.

HeiQ, HeiQ Viroblock and Viroblock are trademarks or registered trademarks of HeiQ Materials AG. Use of these trademarks is subject to trademark licensing, review of the test report and approval of claims by HeiQ.

Any inquiries in this regard should be directed to [marketing@heiq.com](mailto:marketing@heiq.com).

\* The data provided by HeiQ is based on tests conducted on 100% polyester materials with 10% without HeiQ Viroblock NPJ03. The claims made in this handout regarding HeiQ Viroblock NPJ03 are provided by HeiQ based on tests performed on selected drapilux fabrics.

### drapilux

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