

Press Release

Wall paint eliminates more than 99.9% of CORONA VIRUSES on the surface with the help of silver technology

Oberhausen, 20th of October 2021

A few years ago, the Oberhausen-based BIONI CS GmbH already caused a sensation when, together with the FRAUNHOFER INSTITUT for Chemical Technology, it developed and patented wall and facade paints that could be permanently protected against mould and bacterial infestation with the aid of nano-silver technology and without the usual biocides and fungicides. In the course of further research work, it has now been possible to develop an interior paint which, in addition to multi-resistant bacteria, also reduces corona viruses on the surface of the paint by more than 99.9%. This paint has recently become available on the market under the product name BIONI HYGIENIC PRO.

New antibacterial and anti-viral interior paint for schools, nursing homes and hospitals

It is not only since the Corona pandemic that building-related technical measures to prevent the spread of pathogens in public buildings have come into focus to an increasing extent. Risk reduction measures are particularly important in places where sensitive or people with compromised immune system spend long periods of time, such as schools, nursing homes for the elderly or hospitals. In addition to regular cleaning and (contact) surface disinfection as well as modern air filter systems, antibacterial light switches and door handles are therefore being used more and more frequently. With a newly developed interior paint by BIONI CS GmbH, building owners and operators now have a further tool for reducing bacteria and viruses on building surfaces and thus for supporting hygiene in highly frequented areas.

Silver system technology and biopolymer provide protective mechanism of the paint surface

The new interior paint achieves its anti-viral surface properties as well as its effective protection against gram-positive and gram-negative bacteria with the aid of a special combination of active ingredients. The raw materials, based on a silver-doped poly-silicate, silicate-based light fillers and a special biopolymer, enable uniform bioavailability of silver ions on the surface. BIONI has been successfully using this special biopolymer in other products for many years. The mechanism of action has been proven by renowned studies and the reduction of viruses has been verified by testing institutes.

Laboratory tests confirm the reduction of CORONA VIRUSES on the surface by 99.92% as well as MRSA by more than 99.99%

In the course of various tests, the antiviral and antibacterial properties of *BIONI HYGIENIC PRO* were confirmed by external testing institutes. Corona viruses on the surface of the coating were reduced by 99.92% (3 log levels) within 24 hours and methicillin-resistant *Staphylococcus aureus* (MRSA) were reduced by even by more than 99.99% (4 log levels).

Business Administration and Economics graduate Sven Knoll - Managing Director and founder of Bioni CS GmbH on the latest developments

"We have been working on innovative solutions to protect painted surfaces against mould and bacteria for over 15 years. With the goal of developing an interior paint that also reduces and eliminates corona viruses on the surface, we were therefore able to draw not only on numerous data and studies, but also on corresponding development know-how. Based on the further development of a mould and bacteria resistant interior paint already in our portfolio, we were thus able to successfully achieve and scientifically prove a high effectiveness of the newly designed paint surface against CORONA VIRUSES after several months of development."

Wide range of applications

Thanks to the fact that no conventional biocides or fungicides have been added, the newly developed paint is sustainable and environmentally friendly, easy to apply, resistant to cleaning agents and disinfectants, and particularly low in VOCs and odourless, making it harmless even for sensitive people. This means it is suitable for numerous, especially highly frequented, public areas of application, such as schools and universities, kindergartens and daycare centres, hospitals and clinics, retirement and nursing homes, but also the food and beverage industry, hotels, restaurants, sports and leisure facilities and open-plan offices.

For more information about BIONI HYGIENIC PRO interior paint from BIONI, visit www.bioni.de/bioni-hygienic-pro

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Company

The Oberhausen-based BIONI CS GmbH was founded in 2001 and is part of the BIONI group of companies, an association of 3 medium-sized, family-run sister companies. The name BIONI stands for developing and marketing innovative and technically superior wall and facade coatings as well as hygienic building renovation and maintenance from a single source.

BIONI is a partner of the Fraunhofer Institute in Pfinztal and technology leader in the field of multi-functional special coatings based on sustainable SILVER SYSTEM technologies. BIONI's solution concept for the protection of interior and exterior coatings of buildings against microbial infestation by bacteria, mould, algae and viruses has been patented together with the Fraunhofer Association and has received several awards. In 2009 and 2014, 2 companies of the BIONI Group were among the fastest growing technology companies in Germany.

BIONI's main customers are craft and housing companies as well as hospitals and food and beverage production companies. BIONI has sales partners in several European countries as well as China, the USA and some Gulf states. In Germany, there is also a dedicated online shop for private consumers where the products can be purchased.