

microPLUS®: Surface technology with antimicrobial and antiviral effect

Neumarkt, January 2021 – Pfleiderer developed microPLUS a few years ago to protect against bacteria and germs. Now, in addition to its antimicrobial effect, the surface technology has also been proven to have an antiviral effect.

The microPLUS technology available for HPL products and melamine-faced DecoBoard provides planners, architects and users with additional safety for sensitive or heavily frequented interiors with special requirements for robustness, ease of care and hygiene. The microPLUS surface has an antimicrobial effect within 7h (test methodology JIS Z 2801/ISO 22196) as well as an antiviral effect on enveloped viruses within 24h (test methodology ISO 21702:2019) - including the pathogen responsible for Covid19, SARS-COV-2. At the same time, microPLUS is absolutely harmless to humans.

The microPLUS technology achieves its effective protection against microbes through the additive Sanitized Silver and makes use of the natural antimicrobial and antiviral properties of silver. The additive is already used in many ways in the textile industry, for example for bedding, workwear and sportswear. At Pfleiderer, it ensures safe surfaces in interior fittings after being incorporated into the melamine resin. The silver ions in the surface interfere with important functions in the micro-organism of the pathogens, so that they can no longer multiply and die.

Highest hygiene standards with maximum design variety

"Thanks to the availability in melamine facing and HPL, planners and architects now have access to our particularly broad portfolio of high-quality, robust and easy-care HPL and coating products via our decor and texture combination. This creates completely new design scope for places where hygiene plays a particularly important role: at schools and pre-schools, in hospital and laboratory areas or even in the catering sector," explain Rüdiger Jürke, Head of Product Management

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Decor Panels and Christian Stiefermann, Head of Product Management HPL/Elements at Pfleiderer Deutschland GmbH.

In the fight against bacteria and viruses, regular cleaning and disinfection is indispensable and yet only provides selective relief. It is by no means always possible to eliminate all dangerous pathogens on worktops and tables, counters, partitions or fronts. Moreover, chemical cleaners are always a burden on people and the environment. Surfaces with microPLUS technology therefore offer a significant and completely harmless addition to chemical cleaning agents and thus set a new standard of hygiene for interiors.

Lasting effect

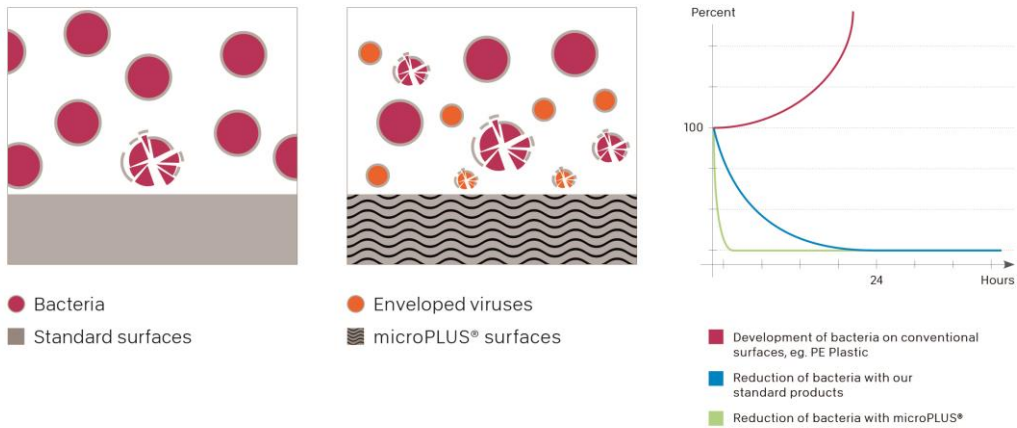
The reliability of the technology is not only demonstrated by the long experience in the field of antimicrobial surfaces, but has also been confirmed by Isega, the Fraunhofer Institute, and the GfPS - antiviral testing is carried out by the Institute for Hygiene and Microbiology. The independent testing institutes not only certify the antimicrobial and antiviral effect of microPLUS, but also its durability. "Use, care and cleaning do not lead to a reduction of the effect. This also applies to any damage that may occur to the surface," Jürke and Stiefermann explain.

Further details on the diverse design combination options and the antimicrobial effectiveness of microPLUS are available on the following website: www.microplus.pfleiderer.com

About Pfleiderer – 125 years of high-quality wood-based panels

Pfleiderer is a leading wood-based panel manufacturer in Europe with annual sales of approx. 700 million euros and around 2,000 employees. The company has its headquarter in Neumarkt in der Oberpfalz (Germany). Pfleiderer has five production locations in Germany and one in Poland, and sales branches in England, the Netherlands, Switzerland, Romania and France. Pfleiderer offers a complete range of products and services with a focus on furniture making, the timber trade, interior fit out and timber construction. Pfleiderer pools the Duropal and Thermopal product ranges under the Pfleiderer umbrella brand and is a partner of industry, commerce, installers, designers and architects.

Images



Capture:

„The contact of the pathogens with the microPLUS surface disrupts important functions in the microorganism. Bacteria can be reduced on surfaces within seven hours and enveloped viruses within 24 hours”

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Capture:

„MicroPLUS available in the HPL range and in melamine facing from Pfleiderer and has an antimicrobial and antiviral effect”

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Capture:

„MicroPLUS with antimicrobial and antiviral effect is particularly suitable for shelves, fronts and counters as well as table surfaces and partitions in high-traffic areas”

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