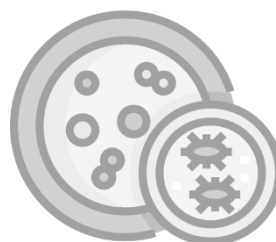




Paris, France — VFP Ink Technologies introduces a multi-support antibacterial varnish **VFPROTECT**, which reduces the proliferation of bacteria and viruses (including SARS COV-2 responsible for Covid-19) with a long-lasting action (1 year minimum) from a single application.

VFP Ink Technologies, a manufacturer of screen-printing inks and varnishes, introduces a new innovative varnish: antibacterial and transparent VFPROTECT, which can be screen-printed on a variety of substrates and mediums. It contains an active ingredient that inhibits the growth of bacteria and viruses when applied to non-porous surfaces for permanent protection without affecting the color and opacity of the substrate or material.



For more than a year, the worldwide crisis caused by the pandemic reminds us **how much the fundamental principles of hygiene are to be applied daily** in our modern societies.

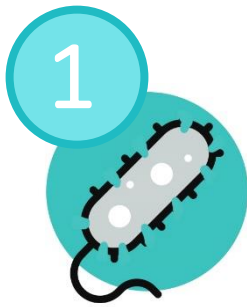
In order to better satisfy the customers and actors of this industry, VFP Ink Technologies develops and proposes **new concepts and solutions** that meet the current requirements and specific needs of our clients and their final customers.

VFP Ink Technologies aware of these requirements **has developed a varnish with a proven effectiveness in reducing surface contamination by SARS COV-2**. Its active ingredient is capable of **reducing the multiplication of bacteria by more than 99.9%**, including pathogenic microorganisms (Campylobacter, E-coli, Listeria, MRSA, Pseudomonas, Salmonella etc.) as well as **permanently reducing the viral load on all types of non-porous surfaces.**

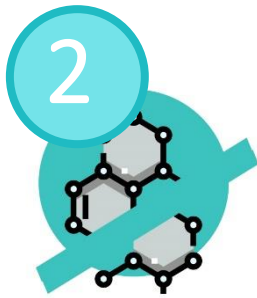
VARNISH ACTION

By limiting the growth, development and multiplication of bacteria, surfaces are thereby protected. Bacteria cannot survive and the coating offers **permanent protection on its substrate**.

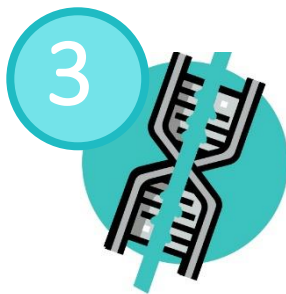
HOW DOES OUR VARNISH WORK?



1) The antimicrobial additive in our varnish binds to **cell membranes** to disrupt growth.



2) The active ingredient in our varnish **interferes with the production of enzyme** by stopping the cell's energy production.



3) The active ingredient **interrupts the bacteria's DNA** by preventing DNA replication.

Anti SARS COV-2 Action

Our **VFPROTECT** antibacterial varnish is able to reduce the SARS COV2 load on non-porous surfaces.

Tested according to ISO 21702 in 2019, we could observe a reduction of SARS COV-2 (responsible for Covid-19) higher than 73% after 6 hours and higher than 90% after 24 hours compared with a control sample. Our antiviral tests are performed at the Vismederi Textyle S.r.l laboratory in Italy.

The viral reduction associated with the printing of VFPROTECT on non-porous surfaces has been validated as working against the Italian variant SARS-COV-2_COV2019 ITALY/INMI1.

TECHNICAL QUALITIES



This specific varnish features sought-after technical characteristics: **strong adhesion** and **long hold**. It is also **non-CMR** and **free of Nano-materials** in order to respect the health of operators and end-users. It **tolerates high temperatures** and does not require light for its action to be effective.

The **current pandemic** sweeping the entire planet, **global warming** that could eventually release "sleeping" microbes via the thawing of the permafrost, the destruction of ecosystems and natural areas that **promote contact between humans and wild species** capable of transmitting **pathogens agents or infectious diseases** remind us of how essential **hygiene and disinfection** are for our present and future world.

Committed to helping companies reduce bacterial strains and SARS-COV-2, VFP Ink Technologies offers a competitive advantage to its clients with this varnish that helps limit proliferation on contaminated surfaces.



ABOUT VFP INK TECHNOLOGIES

With more than 25 years of experience in development, manufacturing and distribution of screen printing inks and varnishes, VFP Ink Technologies devises high-tech preparations for today and tomorrow's industries.

Our R&D continuously develops new solutions and tailor-made products.

Inks and varnishes created by VFP Ink Technologies have been designed with the objectives of reducing the costs, minimizing environmental impact and simplifying implementation.

As a major European player, VFP Ink Technologies distributes its full range of products and expertise in 5 continents. VFP is ISO 9001-2015 certified.

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