



PRESS RELEASE

GERGONNE & PYLOTE LAUNCH COVERS SAFE™, A NEW ANTIMICROBIAL ADHESIVE FILM EFFECTIVE AGAINST CORONAVIRUSES AND BACTERIA

1st market launch of PYLOTE's natural antimicrobial protection technology

Toulouse/Oyonnax (France), June 3, 2020 - PYLOTE, a specialist in mineral and ceramic industrial chemistry, and GERGONNE INDUSTRIE, manufacturer and converter of technical adhesive tapes, announce the launch of COVERS SAFE™, a new adhesive film, unique in the world, with PYLOTE's natural antimicrobial surface protection technology, effective in particular against coronaviruses and resistant bacteria.

The two companies announced today the delivery of the first COVERS SAFE™ adhesive films to their first customers. These are industrial companies in the service industry, biotechnology, medical devices, treatment of infectious risk waste or ophthalmological surgery, which are all particularly sensitive to the issues of surface protection and antimicrobial protection. They are also businesses, such as pharmacies or restaurants. Finally, they are public establishments such as a nursery school or a nautical center. These first customers include:

- **FLASH THERAPEUTICS** (Toulouse-31), a gene therapy company that develops gene and cell therapies.
- **AMBIOTIS** (Toulouse-31), the first contract research organization (CRO) worldwide working on the active resolution of inflammation, providing services adapted to pharmaceutical, dermo-cosmetic, agro-food/nutraceutical industries to evaluate the potential of their molecules at preclinical or clinical stages of development.
- **SGH HEALTHCARING Group** (Saint Marcellin-38), a designer or medical subcontractor of innovative medical devices.
- **TESALYS** (Saint Jean -Toulouse-31), a company that develops cutting-edge solutions for the treatment of infectious risk waste.
- **CUTTING EDGE** (Montpellier 34), an ophthalmologic surgery company manufacturing intraocular implants.
- **LOCACUISINES** (Toulouse-31), the French leader in kitchen rentals and mobile kitchens.
- **The restaurant LA RÉSERVE** in Oyonnax (01).
- **The FRANÇOISE DOLTO NURSERY SCHOOL** in Arbent (01).
- **The Haut Bugey Robert Sautin NAUTICAL CENTER** in Oyonnax (01).

This new antimicrobial adhesive film is now available to many public and private customers and is the perfect answer to safety, hygiene and user comfort issues. Its main applications are in the equipment of tables (meeting, catering, offices), counters/counters, door handles, switches, handrails, automatic kiosks and payment terminals.

The main property of this adhesive film is the maintenance of microbiological hygiene throughout the life of the surfaces to which it is applied. It does not present any risk for users, including young children. Activated by PYLOTE's technology, it has an immediate, stable and permanent microbial decontamination action (PYLOTE's technology has been tested for more than 4 years without loss of effectiveness), particularly against viruses and bacteria, and helps to combat the spread of COVID-19 as well as other hand-borne infections.

These COVERSAFE™ adhesive films have been industrially qualified and tested against coronaviruses and bacteria in the Fonderephar laboratory (COFRAC certification) according to the methodologies of the ISO 21702 standard adapted for human coronavirus strain 229E and those of the JIS Z 2801 standard adapted for bacteria. Surfaces of COVERSAFE™ adhesive films activated by the PYLOTE technology were thus compared with control surfaces of the same nature but without the technology:

- After only one hour of activation by the PYLOTE technology, the results on COVERSAFE™ films showed a logarithmic reduction of the viral load of 0,95 log, corresponding to a disappearance of nearly 90% of infectious virions.
- After 24 hours of activation, the log reduction in viral load was 3,3 log, corresponding to a disappearance of more than 99.9% of infectious virions.
- After 24 hours of activation by PYLOTE technology, results on COVERSAFE™ films showed a log reduction in the number of bacteria of 5.7 log, corresponding to a disappearance of nearly 99.9999% of bacteria on surfaces.

The COVERSAFE™ film is available for sale today. For more information, please contact: contact.fr@gergonne.com

Loïc Marchin, CEO of PYLOTE, commented on this announcement "I am particularly pleased to have GERGONNE as our industrial and commercial partner for the first market launch of our natural antimicrobial surface protection technology. Our technology is particularly suited to living spaces in general, such as nurseries, schools, shops, businesses, administrations, clean rooms, hospitals or retirement homes. This first market launch of our technology illustrates our development around two major axes: making finished products safer, cleaner and greener, and better protecting environments against antimicrobial risks, including the ability to eliminate contamination in living areas and better respond to the problems of transmission by surface contact. All of our employees are very proud to participate, with a technology that we have been developing for 10 years, in controlling the risk of transmission of viruses and bacteria and to play an active role in the fight against this COVID-19 pandemic."

Bertrand and Charles Gergonne, Managing Directors at GERGONNE INDUSTRIE added: *"Since our first contact with the PYLOTE teams in mid-April, we have worked hard together to develop a truly unique product. We are proud to use a revolutionary French technology and to combine it with the very strong know-how of our teams in the field of adhesive solutions. To combat this health crisis, we lacked masks and tests, but we now have a 100% French European solution, unique in the world to our knowledge, to treat the risk of viral and bacterial spread through surfaces. COVERSAFE™ is a product that makes it possible to work and live more safely, and to avoid the risk of a resumption of the pandemic we are experiencing. GERGONNE INDUSTRIE and its employees are proud to participate in the joint effort to enable a much-needed resumption of economic activity".*

ABOUT THE PYLOTE TECHNOLOGY

PYLOTE's breakthrough technological innovation consists in integrating mineral ceramic microspheres by mixing with materials such as adhesive films or paints. After application, coated surfaces such as transit bars or office tables are activated to destroy microorganisms. These non-metallic mineral beads act as a catalyst causing a microbial decontamination of the surfaces and a continuous and stable protection against microbial contamination with a very high level of safety, efficiency and hygiene during the entire service life. During the 10 years of development, the effectiveness of the PYLOTE technology has been tested on a very large number of microorganisms specific to the applications of the technology in the food industry, health, industry, or cosmetics.

ABOUT PYLOTE - Founded in 2009 and based in Toulouse (France), PYLOTE is a key player in the cleantech industrial mineral and ceramic chemistry, globally recognized by its in-house breakthrough and sustainable innovation. Pylote is developing, producing and selling an unique natural protection solution patented from process to applications that solves issues faced by consumers with regards to safety, hygiene and sustainability. By focusing on market differentiation, PYLOTE supports its clients in the pharmaceutical, cosmetic, food and industrial markets for regulatory, marketing and industrial steps to generate a powerful value proposition in a quick time to market, without neither investment nor change in the current manufacturing process. Since 2016, the PYLOTE innovation, which is in compliance with the FDA, cosmetic, pharmaceutical, food, international regulations and Food contact approved, has been repeatedly and internationally awarded-winning: Pharmapack Award, CPhI Pharma Award, the Oscar of Packaging for Food Applications, Trophy of CSR Solutions, MakeUp in New York Tree Innovation Award. More information about Pylote in our new website: www.pylote.com



ABOUT GERGONNE: Founded in 1962 in Oyonnax in the heart of the Plastics Valley, GERGONNE is an independent French family group, one of the European leaders in the manufacture of technical adhesive tapes, as well as the manufacture of self-adhesive die-cut parts in flexible materials. With a strong focus on innovation and value creation, GERGONNE markets its self-adhesive solutions in the automotive, electronics, medical, construction and industrial sectors. GERGONNE employs 130 people in France and 400 people worldwide through its own subsidiaries (Mexico, China, Slovakia, Spain and Morocco). For more information about GERGONNE and its values, please visit our websites: www.gergonne.com ; www.gergonne-corporate.com



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ADDITIONAL INFORMATIONS

EFFICACY OF THE ANTIMICROBIAL ACTIVITY OF PYLOTE TECHNOLOGY

- ✿ **Effectiveness against the human coronavirus 229E according to the adapted standards ISO 21702 (one hour of contact) and JIS Z2801 (24h of contact)**
 - ✓ Human Coronavirus 229E: 3,3 log and 3,9 log (after 24h)
 - ✓ Human Coronavirus 229E: 0,95 log (after one hour)

 - ✿ **Effectiveness against viruses (>99%) according to the adapted standard JIS Z2801 (24h contact):**
 - ✓ Influenza virus A / **Grippe** (H1N1): 2,6 log
 - ✓ Rotavirus Humain (**Gastro-entérite**): 2,2 log
 - ✓ **Herpes** virus type 1 (HSV-1): 2,2 log
 - ✓ Adenovirus Type 3 (**Conjonctivite**): 2,3 log

 - ✿ **Some examples of bactericidal efficacy measurements, especially on resistant bacteria (up to 99.999%):**
 - ✓ *Escherichia coli* CIP 53.126 and clinical isolate BLSE: > 3.8 log
 - ✓ *Staphylococcus aureus* (MRSA) ATCC 33591: > to 3 log
 - ✓ *Salmonella enterica* CIP 60.62T: > to 5.8 log
 - ✓ *Pseudomonas aeruginosa* CIP 82.118: > 4.1 log
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