



With  pylote technology

Press release

Rungis, the 29th of September, 2020

In partnership with ADHETEC, Corsair innovates to reinforce onboard protection against the Covid-19.

Caring for the travel conditions of its customers in a sensitive health context, Corsair is the first European Airline to sign a partnership with ADHETEC, a specialist in high quality technical adhesive solutions, and cover the tray tables of its aircraft with a protective film that has antibacterial and antiviral properties. With the use of this innovative and proven technology, Corsair continues to fight concretely against the spread of the Covid-19 on board of its aircraft.

On Tuesday, September 29, Corsair will operate the test flight from Paris Orly to Abidjan (Ivory Coast). All the tray tables of the Business, Premium and Economy class seats will be equipped with a protective aeronautical film developed by ADHETEC, which uses the natural and antimicrobial technology of its partner Pylote, a specialist in mineral and ceramic industrial chemistry. This reliable technology, which has been used on the market for several years, has demonstrated its effectiveness against bacteria and viruses, and in particular against Coronavirus (99.9%*.) In addition, the natural and mineral Pylote microspheres in the protective adhesive film remain safe for the skin, even for young children, and do not release any toxic molecules into the atmosphere. The whole Corsair fleet will progressively be equipped with the antimicrobial film.

Furthermore, the antimicrobial surface protection film offered by ADHETEC protects the tray tables from possible damage caused by aggressive disinfectants products used under current sanitary protocols, without losing its decontaminating power. Indeed, the antimicrobial varnish surface remains extremely resistant.

The films have an immediate, stable and permanent 24/7 microbial decontamination action thanks to a virtuous process, without any loss of effectiveness over more than 50 months. It is resistant to repetitive cleanings and to the many touches of passengers without altering its action.

Enea Fracassi, Technical and Fleet Director, said « *We are very proud to be the first Airline in Europe to implement this innovative film technology, which complements the range of on-board hygiene measures already in place for the comfort of our customers. Indeed, the combined protective action of the film and its antimicrobial technology meet the expectations of our customers and reassure them. Making our customers travel in optimal sanitary conditions is one of our company's priorities* ».

« 'ADHECAL' 13423 is a film from our cabin portfolio and therefore dedicated to this application – tray tables. It has proven to be an effective communication medium. By adding a long-lasting bactericidal and virucidal function, we meet the new airline specifications and contribute to the health and safety onboard. We do also support the effort to restore trust in travel » says Alexis Gabillon, ADHETEC CEO. « We are proud that our commitment in this area via our partnership with Pylote has seduced the company CORSAIR with whom we have been working for many years».

* Tested in independent laboratories according to ISO 22196, ISO 21702 and JISZ2801 standards.

ABOUT CORSAIR INTERNATIONAL – A scheduled French airline company specializing in long-haul flights, CORSAIR employs 1,100 people. It carries 1.2 million passengers a year. CORSAIR international operates scheduled flights to the French west indies (Guadeloupe and Martinique), the Indian Ocean (Reunion, Mauritius, Mayotte), Africa (Ivory Coast) and Canada (Montreal). Corsair.fr

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ABOUT ADHETEC - For over 30 years, ADHETEC designs, manufactures and supplies technical adhesive films for aerospace, automotive, railway, high-tech and industry. ADHETEC is part of ALVEST Group. ADHETEC develops tailor made solutions adapted to every clients' needs thanks to its know-how:

- Knowledge of adhesives and customer specifications
- Excellence in materials processing
- Dynamic, pragmatic and inventive, with a 12 specialized engineers in R&D department



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ABOUT PYLOTE – Founded in 2009 and based in Toulouse, France, PYLOTE is a key player in mineral industrial chemistry and cleantech ceramics, recognized worldwide for its sustainable breakthrough innovation. PYLOTE develops, produces and supplies a unique patented natural protection solution, from process to applications, which solves the problems encountered by consumers in terms of safety, hygiene and durability. PYLOTE offers its differentiating solutions in the pharmaceutical, cosmetics, food and industrial markets, integrating regulatory, marketing and industrial steps to generate a powerful value proposition in a short time-to-market, without any investment or change in the current manufacturing process. Since 2016, PYLOTE's innovation, which complies with the American FDA regulations, international cosmetics standards, pharmaceutical, food and food contact regulations, has been awarded

several times and internationally: Pharmapack Award, CPhI Pharma Award, Oscar for Packaging for Food Applications, CSR Solutions Trophy, MakeUp in New York Tree Innovation Award. For more information about PYLOTE, please visit our website: www.pyloite.com



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Customizable ADHECAL® 13423-AM and transparent ADHEFILM® 10801 and 10447-AM have been industrially qualified and tested against coronaviruses and bacteria in the Fonderephar laboratory (COFRAC certification) according to the ISO 21702 standard adapted for the human coronavirus strain 229E and those of the JIS Z 2801 standard adapted for the Escherichia coli CIP 53.126 bacteria. Surfaces of ADHECAL® 13423-AM and ADHEFILM® 10447-AM and 10801 adhesive films activated by PYLOTE's technology were thus compared to control surfaces of the same nature over the same periods of time but without the technology:

- After only one hour of activation by PYLOTE's technology, results on ADHECAL® 13423-AM AND ADHEFILM® 10801 and 10447-AM films showed a log reduction in viral load of 1.54 log, corresponding to a disappearance of nearly 90% of infectious virus.
- After 24 hours of activation, the log reduction in viral load was 3.46 log, corresponding to a disappearance of more than 99.99% of infectious virus.
- After 24 hours of activation, the results showed a logarithmic reduction in the number of Escherichia coli CIP 53.126 bacteria of 5.28 log, corresponding to a disappearance of nearly 99.999 % of the bacteria present on surfaces.

ADHEMARK® 13423 AM or ADHEFILM® 10801 and 10447-AM films are now available for sale. For more information, please contact: commercial@adhetec.com