



INDUSTRY-FIRST ANTI-MICROBIAL SOLUTION FOR USE IN CABIN INTERIORS - PLASMA RESOSHIELD

News / Airlines, Manufacturer



ST Engineering has launched Plasma ResoShield®, an industry-first anti-microbial coating solution with fusion resonance technology that fully meets aviation requirements. The technology is able to neutralise pathogens before they land on surfaces coated with Plasma ResoShield®, and its innovative neutralising capability also promises high-impact protection lasting up to a year upon application.

A background image for the Plasma ResoShield™ header. It features a close-up of green wheat stalks with a bright, glowing sun or light source positioned behind one of the stalks, creating a lens flare effect. The overall color palette is warm, with yellows and greens.

Plasma ResoShield™

ST Engineering is the first to bring to the aviation industry a cabin interior anti-microbial solution that incorporates fusion resonance technology, giving more options to operators looking to disinfect and keep their cabin interiors safe through a robust and lasting solution. Apart from being non-corrosive, non-flammable and non-toxic, Plasma ResoShield® has anti-bacterial and deodorising properties that help to improve the cabin air quality for a more pleasant flight.

“The COVID-19 pandemic has changed how we view and manage air travel,” said Ling Meng Geah, Head, Programme Office, Cabin Interiors, ST Engineering. “We are committed to using our aviation and certification expertise to work with our airline customers and industry partners to help increase passengers’ confidence and comfort in flying. The launch of Plasma ResoShield® is one such example of using innovative and enduring cabin interior solutions to enhance flying experience and safety.”

ST Engineering had worked with partners to carry out extensive product testing over a period of six months to demonstrate the solution’s anti-microbial efficacy and durability. Based on ASTM E-1053, an accredited standard of testing, Plasma ResoShield® is proven to kill up to 99.99% of the SARS-CoV-2 virus.

To ensure that the solution meets specific and stringent aviation requirements, ST Engineering also ran a comprehensive list of airworthiness and certification tests on Plasma ResoShield®, which has been tested and approved for use in aircraft cabin interiors under European Union Aviation Safety Agency (EASA) design organisation approval.



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