

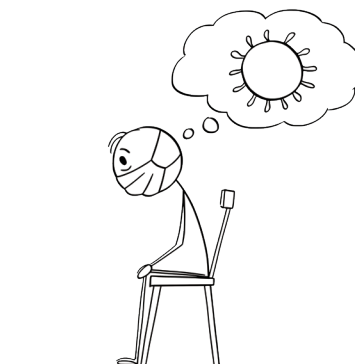
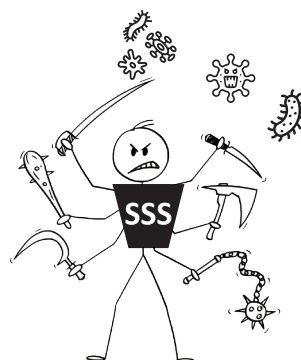


Bacteria and viruses that cause diseases can easily find their way onto packaging materials and pose health risks to the public upon contact. Bacteria on paper surfaces can proliferate to over millions within 24 hours, while viruses can survive for days. It is essential to develop active packaging with antimicrobial properties to prevent contamination and cross transmission of microorganisms during storage, transportation, and the use of packed products; especially amid the pandemic.

New Island Printing Group and NAMI have worked on developing this revolutionary antimicrobial paper packaging, to provide a **SAFE, HYGIENIC** and **ECO-FRIENDLY** products for consumers. Unlike conventional antimicrobial materials that rely exclusively on killing actions, our **SELF-SANITIZE SPIKER (SSS)** packaging not only kills microorganisms by direct physical contact, but also avoids the accumulation of their debris. This prevents potential reduction in killing capacity from blockage of the contact active surfaces over time, preserving sustained efficacy.

Traditional biocide based technology involves leachable active substances like silver, which raises potential health concerns. **SELF-SANITIZE SPIKER** varnish, however, is integrated with proprietary modifiers that are strongly bonded on a molecular level, and creates a permanent antimicrobial layer on the paper surface. No leaching is observed and the coated paper packaging complies

with global chemical safety regulations. Accredited laboratories have independently confirmed that the coated paper packaging kills over 99.9% of both gram-positive and gram-negative bacteria; whilst also deactivating most viruses, including human coronavirus (COVID-19).



SELF-SANITIZE SPIKER varnish can be incorporated seamlessly into current paper packaging manufacturing processes, and does not affect print quality such as glossiness and colours of paper packaging products, thus granting antimicrobial benefits with minimal additional cost. Our antimicrobial packaging solution can be applied to various products, such as personal care products, medical products, food and beverages, safeguarding public health as a whole.



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Self-Sanitize Spiker is suitable for packaging across different industries and has been tested the safety of direct food contact. We highly recommend for packaging in pharmaceutical, colour cosmetics, luxury, keepsake, travel and children's retail.



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Give your customers a better and safer hygienic experience.

Contact Us NOW:
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