

Process innovation for sustainable bio-coating



Expertise and domain knowledge

- Food and Beverage
- Packaging
- Sustainability
- Product evaluation
- Chemistry
- Coatings





Our client asked:

Replacement of rigid, black plastic packaging in the packaged meals industry is critical to meeting sustainability targets. Our client, a major packaging supplier, wanted to commercialise a natural and compostable product rapidly, but needed help to apply the grease- and water-resistant coating in an economical manner.

The project story:

- Our team of scientists and engineers evaluated the options for the coating, scoping solutions across pure mechanical iteration, chemistry adjustments and pre-treatment options.
- We ranked and filtered options based on commercial criteria and technical feasibility to provide our client with practical options to test on their pilot line.

Contact us

info@sagentiainnovation.com

+44 1223 875200

www.sagentiainnovation.com

Results: deliverables and outcomes

By improving coating consistency and reducing pinhole creation, our best-performing solution reduced the required total coating weight by 75%, making the new product profitable at the desired price point.