

# SecuraShield™ with Biomaster

**Antimicrobial protection  
for all your printed  
documents**



**SecuraShield™ laminating films provide superior enhancement, security and protection for a wide variety of printed documents, graphics and signage – and now offer unique antibacterial protection through Biomaster technology.**



SecuraShield™ with Biomaster is available in matt and gloss finish in laminating film and pouch formats

- Independently tested to kill up to 99.7% of bacteria
- 24 hour a day protection
- Effective on at least 20 organisms including MRSA, E.coli and Campylobacter

**Built in protection for your documents – from instructions and teaching aids in healthcare and clean room environments to menus, recipes and documents in the catering and food sectors.**

# SecuraShield™ with Biomaster

## Permanent antibacterial protection

Biomaster antibacterial protection inhibits the growth of harmful bacteria by releasing silver ions on demand, stopping the bacteria from multiplying. Biomaster is effective in all applications, is easily added to current manufacturing process for the lifetime of the SecuraShield film.

### How does Biomaster protection work?

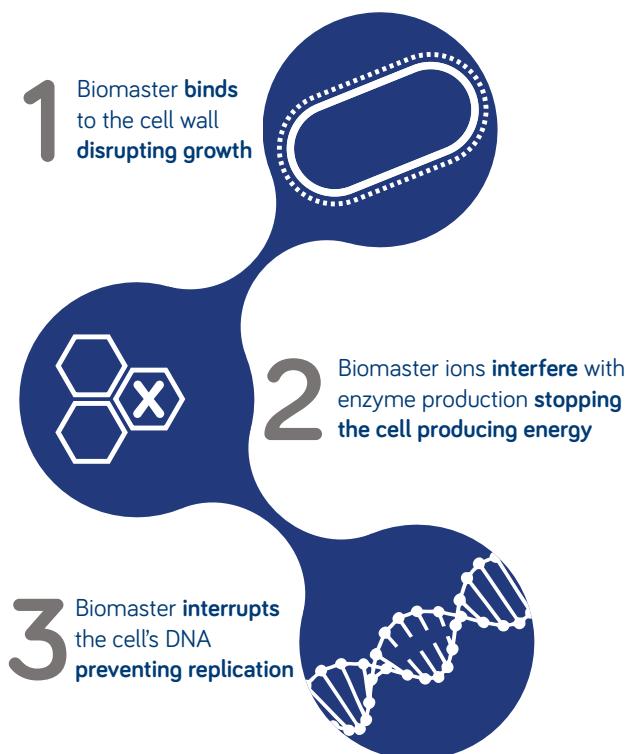
Biomaster is based on silver ion technology and has three modes of action.

When bacteria comes into contact with a Biomaster protected surface, the silver ions prevent them from growing, producing energy or replicating, therefore they die.

Biomaster is incredibly durable, long lasting and highly active.

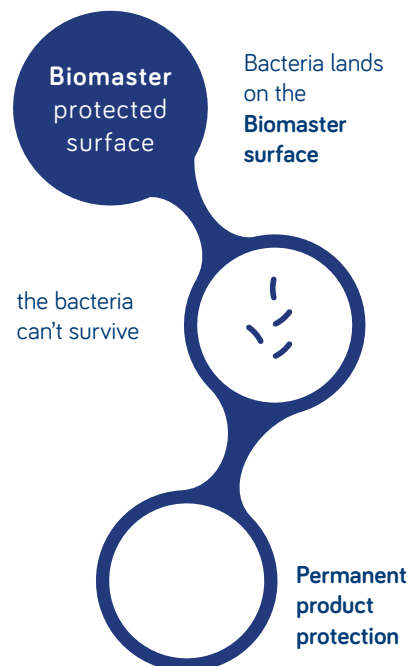
Silver is inorganic and non-leaching which means that unlike organic antimicrobial technologies, it stays within the item to which it is added.

The controlled release of the active ingredient provides maximum antibacterial protection for the lifetime of the product



### How effective is Biomaster?

Biomaster additives have been proven to reduce the overall level of bacteria on Securashield film by up to 99.9%.



### Independently tested

In typical tests, coatings treated with Biomaster reduced the levels of E.coli and Staphylococcus aureus by over 99% achieving ISO 22196:2011.

