



Bio-Guard Antimicrobial Coating

Bio-Guard is an innovative antimicrobial polyurethane coating system.

Pylon's Bio-Guard incorporates Biomaster technology that can assist in inhibiting harmful bacterial growth.



Biomaster is added in during the manufacturing process to become an integral part of the coating. It makes the coated surface cleaner and more hygienic, providing effective, lasting antibacterial protection and reduces the threat of cross contamination.



The active ingredient in Biomaster antimicrobial technology is silver. Silver has been used in its pure form for many centuries to prevent the growth of bacteria.

Silver is inorganic and non-leaching, which means unlike organic antimicrobial technologies it stays within the coating.

Silver provides antimicrobial protection without allowing bacteria to develop resistance.



Biomaster pioneered the use of silver-based antimicrobial additives and today is the recognised leader in antimicrobial technology.

Pylon's Bio-Guard has been independently tested for antimicrobial efficiency. These tests were carried out by one of Europe's top independent microbiology laboratories to ISO standards. The most recognisable standard used is the ISO 22196:2011 which was adopted from the Japanese JIS Z2801. These tests use MRSA and E.Coli as the source bacteria.

Biomaster has 3 different modes of action:

- BIOMASTER BINDS TO THE CELL WALL; PREVENTING GROWTH**
- THE BIOMASTER IONS INTERRUPT ENZYME PRODUCTION; STOPPING THE CELL PRODUCING ENERGY**
- BIOMASTER INTERRUPTS THE CELLS DNA; PREVENTING REPLICATION**



Hospitals, care homes, dental, GP and veterinary practices, kitchens, food preparation areas and restaurants are environments where durability, hygiene and maintainability are key requirements.

Helping prevent the growth of harmful bacteria and the threat of cross contamination is vital.

ISO 22196:2011

Antimicrobial test certificate

BIO-GUARD COATING

supplied by

PYLON COATINGS PTY LTD

has been tested to ISO 22196:2011 standards and shown to reduce

<i>E coli</i>	by 99.93%
<i>Staph aureus</i>	by ≥ 99.91%

Date of test: 5th DECEMBER 2012

Test laboratory: Industrial Microbiological Services Limited
Registered in England 3264423

Certificate number: 1020290.267/7334

LESLEY TAYLOR
REGULATORY & TECHNICAL MANAGER



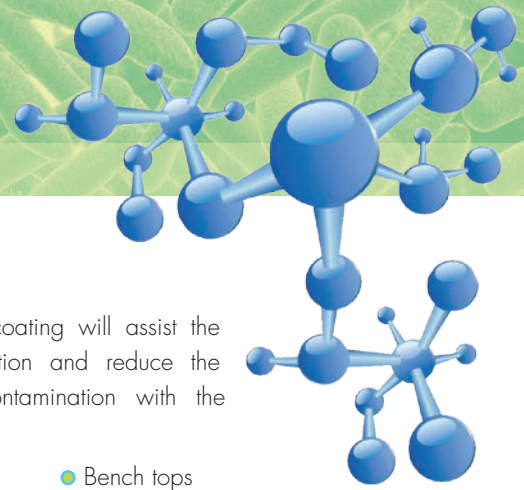
Antimicrobial product protection



www.pylon.com.au

Bio-Guard

Antimicrobial Coating



For effective protection against the development of micro-organisms, a finish must be impervious, easy to clean, hard wearing and free from joints, seams and other features which might harbour harmful bacteria.



The use of Biomaster in environments such as hospitals provides round the clock protection against bacterial build up from harmful species such as MRSA, E.Coli and Legionella.



Biomaster treated products have been proven to reduce the growth of food borne bacteria such as E.Coli, Salmonella and Campylobacter by up to 99.99% and works 24 hours a day, every day.



Pylon's Bio-Guard coating will assist the antibacterial protection and reduce the threat of cross contamination with the following items:

- Vanities
- Kitchen Doors
- Reception counters
- Cabinets
- Handrails
- Shelving
- Bench tops
- Internal Doors
- Furniture
- Desks
- Wall panels
- Bookcases

Bio-Guard polyurethane coating may be suitable for many high traffic areas where hygiene is a priority including the following areas;

- Hospitals
- Kitchens
- Hotels
- Laboratories
- Veterinary clinics
- Medical clinics
- Clubs & Bars
- Schools
- Libraries
- Child care facilities
- Bathrooms
- Aged care facilities
- Restaurants & Cafés
- Health care facilities
- Boats & Cruise ships
- Dental clinics
- Retail shops & Supermarkets
- Universities & Colleges
- Cinemas
- Shopping centers



Pylon's Bio-Guard is available in a range of gloss levels and can be tinted to a comprehensive range of colours.

Bio-Guard is an effective antimicrobial coating for commercial areas and for homeowners looking for a more hygienic finish.