



Independently tested to
ISO 22196

24/7 ANTIMICROBIAL **PROTECTION**

ON BIO-GUARD PROTECTED SURFACES
FOR THE LIFETIME OF THE COATING



What is Bio-Guard Coating?

Pylon's Bio-Guard is a range of antimicrobial coatings that incorporates Biomaster technology which is dispersed during the manufacturing process that becomes a lasting and integral part of the coating.

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



How Bio-Guard Works



Advantage of Bio-Guard Coating System

- ✓ Offers antimicrobial permanent protection 24/7 for the lifetime of the coating
- ✓ Reduces the ability of bacteria to grow and spread on coated surfaces
- ✓ Reduces risk of cross-contamination
- ✓ Assists maintenance procedures
- ✓ Includes a detection additive to verify the protection
- ✓ Certified to most recognised antimicrobial ISO standards (ISO 22196)
- ✓ Hard wearing, durable, premium polyurethane coating – extends life of product
- ✓ Available in a range of colours and gloss levels
- ✓ Australian made and owned



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

E coli	by 99.93%
Staph aureus	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
LESLEY TAYLOR
REGULATORY & TECHNICAL MANAGER

INDEPENDENTLY TESTED
Biomaster[®]
PROTECTED
ISO 22196:2011

Antimicrobial product protection





Bio-Guard Coating is recommended for high risk areas where hygiene is a priority

- Kitchens
- Bathroom vanities
- Hotels, clubs & bars
- Shopfitting & shopping centres
- Restaurants, cafes & food courts
- Aged care facilities
- Hospitals & medical centres
- Veterinary clinics
- Education departments
- Laboratories
- Shared living facilities
- Commercial & domestic furniture
- Child care facilities
- Cinemas & theatres
- Airports
- Beauty salons
- House of worship

The Bio-Guard Coating range is popular within the joinery industry; however, Pylon's research and development laboratory offers tests on various substrates where increased levels of hygiene are fundamental.





There is an increase in demand for antimicrobial coatings as most Australians are now more than ever conscious of living in a more hygienic environment. One significant development is the growing need for agile and resilient engineering solutions with antimicrobial properties to provide better protection against the transmission of microorganisms while reducing the threat of cross-contamination.

Bio-Guard Coating, developed by Pylon Coatings is a dedicated range of antimicrobial coatings that offers permanent, highly active antimicrobial protection 24/7 for the lifetime of the coating.

Surfaces that have been protected with Pylon's Bio-Guard Coating will reduce the cross-contamination risk while improving decontamination and maintenance procedures, thus creating more hygienic environments.

The innovative Biomaster antimicrobial technology is based on silver ions, which have been known for their natural antibacterial properties since the time of the ancient

Egyptians. Silver has been used throughout history to prevent growth of bacteria without the high toxicity associated with other metals. Biomaster is now the recognised leader in antibacterial additive technology. Biomaster has been tested in hundreds of applications to provide up to 99.99% reduction of harmful bacteria.

During the manufacturing process, the antimicrobial technology is dispersed throughout the batch of Bio-Guard, making it an integral part of the coating structure. This offers permanent, highly active antimicrobial protection 24/7 for the lifetime of the coating.

Pylon's Bio-Guard Coating has been independently tested for antimicrobial efficiency by one of Europe's most recognised microbiology laboratories to meet ISO 22196 standards.

Backed by over 70 years of experience, Pylon Coatings is proud to continue supporting the Australian manufacturing industry and will continue to strive to provide innovative solutions for a safer future.

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