

The coating for a safer future

The current pandemic is challenging businesses in all sectors of the economy and as we prepare for the future, a 'new normal' awaits us all. Companies that adapt will set the standard and succeed past the crisis. Many industries are undergoing momentous changes in response to the outbreak. One significant revolution 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 contaminants.

Microorganisms including bacteria, fungi and mould can be deactivated effortlessly using alcohol-based products that are useful to prevent the growth of such pathogens, however these products are only effective for a maximum of two hours after which, any new contamination pose a fresh risk of infection. To address this shortcoming, companies are developing innovative products to inhibit the spread of these microbes.

Bio-Guard Coating, developed by Pylon Coatings is a dedicated range of antimicrobial coatings that incorporates



Biomaster Antimicrobial Technology. When bacteria come into contact with a Bio-Guard protected surface, the silver ions attacks bacteria in three ways. The silver ions bind to the bacteria cell wall preventing growth; they stop bacteria from producing energy and interrupt the DNA preventing replication. If a bacteria cell cannot grow, produce energy or replicate, it dies. Surfaces that have been protected with Pylon's Bio-Guard Coating will also reduce levels of cross-contamination, plus improve decontamination and maintenance procedures.

This innovative technology is based on silver ions. The benefits of silver as a natural antibacterial have been known since the time of the ancient Egyptians. Ancient civilisations applied silver to open wounds, ships captains placed silver coins into storage barrels to keep drinking water fresh as did early settlers in Australia by placing silver forks or spoons into their water tanks.



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



Above: Ron Pajor

During the manufacturing process, the antimicrobial technology is dispersed throughout the batch, which becomes 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. Bio-Guard is available in a vast variety of colours, clear finishes and gloss levels. Pylon's Bio-Guard Coating range is supplied within the joinery industry, though the companies' research and development laboratory and offer tests on various substrates where increased levels of hygiene are fundamental.



Pylon Coatings is a third generation Australian made and owned company that is dedicated to developing, supporting and supplying premium quality coating systems for a wide range of industries. Formulation and manufacturing experience, combined with high company ethics, innovation and stringent quality control methods has resulted in continual growth for the company.

Pylon's highly qualified technical team constantly interact with industry professionals and monitors global trends. This results in premium coatings, efficient application systems and state of the art technology. The

Bio-Guard Coating range is one of Pylon's latest innovative systems for commercial and residential areas that pose a significant risk of contaminants. Pylon has appointed a selection of qualified 'accredited applicators' for the Bio-Guard Coating range.

According to Ron Pajor, Managing Director of Pylon Coatings, "there is an increase in demand for antimicrobial coatings due to the pandemic and the fact that most Australians are now more than ever conscious of living in a more hygienic environment."

As a company that boasts over 70 years of experience, Pylon Coatings is proud to continue supporting the Australian manufacturing industry and will continue to strive in providing innovative solutions for a safer future.

www.pylon.com.au ■

24/7 ANTIMICROBIAL PROTECTION

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



Independently tested to
ISO 22196

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Use Bio-Guard Antimicrobial Coatings
for all your future projects.



Benefits of Using Bio-Guard

- ✓ More hygienic environments for commercial and residential areas.
- ✓ Provide clients with exceptional added value.
- ✓ Improve decontamination and maintenance procedures.
- ✓ Available in a vast variety of colours, clear finishes and gloss levels.
- ✓ Inhibits the growth of bacteria and reduces risk of harmful contaminants.

Contact Pylon to locate a Trusted Accredited Applicator.

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