

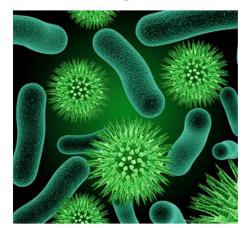




Proven Antimicrobial Protection in Real Life Applications

What are Microbes?

Microbes are organisms too small for the naked eye to see and are found everywhere on Earth. There are many types of microbes: bacteria, viruses, fungi and parasites. While most microbes are harmless and even beneficial to living organisms, some can cause disease among humans. These disease-causing microbes are called pathogens or germs.

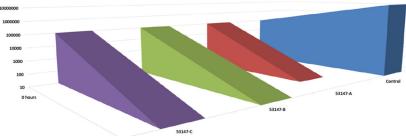




Methicillin resistant Staphylococcus aureus (MRSA) is a very common bacteria that is resistant to many antibiotics. In a healthcare setting, such as a hospital or nursing home, MRSA can cause severe problems such as bloodstream infections, tuberculosis, pneumonia and surgical site infections.

Antimicrobial Coating with Silver Ion Technology

Silver ions embedded in the material substrate are released via ambient moisture and enter the microbes through their cell membrane. The silver ions destabilize the cell, stop respiration and inhibit cell division. The main function of an antimicrobial product is to offer continuous and permanent protection against microbes which can cause contamination, odours, degradation as well as many diseases.



With over 40 years of experience in the Sultanate of Oman, **Building Supplies & Services** has always offered the highest quality of products for the construction industry. As of 2018, we have introduced a range of antimicrobial products to tackle the challenges faced in industrial health & hygiene.



Antimicrobial Door Hardware

Frequently touched surfaces are regularly exposed to harmful bacteria. Many of these microbes can double in number every twenty minutes!

<u>Antimicrobial Protection</u> prevents hardware and surfaces from becoming sites of dangerous microbial contamination by disrupting the bacteria's ability to respire, metabolize, and reproduce.

<u>Silver Ion Technology</u> gives the **PURE** range of door hardware from <u>Stern</u> the highest levels of continuous antimicrobial protection available in the market today. The performance of these products has been verified through independent laboratory testing in accordance with international standards (ISO 22196 / JIS Z 2801). The **PURE** range was designed to cater for the needs of hospitals, schools, food processing facilities, and any other areas where occupational hygiene is paramount.



Antimicrobial Steel Doors

Stop microbes at the door with the certified range of **Antimicrobial Steel Doors** from Your doors are the primary access points to your buildings. Scientific surveys have shown that colonies of Staphylococcus, E. coli, and MRSA are frequently found on door surfaces when tested. **Antimicrobial Steel Doors** from Year have been tested and certified for effective protection in accordance with international standards (ISO 22196 / JIS Z 2801).



Antimicrobial Panels

There has always been demand for antimicrobial panels in industries where occupational hygiene is critical, such as the healthcare and food preparation sectors. **Antimicrobial Compact Laminate Panels** from

**End of the laminate that complies with international standards (JIS Z 2801 and ASTM G21).



Antimicrobial Coatings for Metallic Surfaces

To address industry needs for protective coatings, 222 is introducing high durability water-based epoxy coatings that contain a broad-spectrum antimicrobial agent. Once applied, it protects the underlying substrate from over 650 strains of bacteria such as E. coli, Salmonella and Listeria. The coating also prevents the growth of fungi, such as mold and mildew. This coating can be applied directly to plant equipment, HVAC ducts, and any other metal surfaces to prevent harmful microbial contamination and propagation. Our experienced technical staff can advise you on the most suitable products for your applications.

SteriTouch

Antimicrobial Test Report

M&T Oman - 0001a 06/08/2018

Material tested:

Test Laboratory: Anti-Microbial Test Division, Kyoto Biseibutsu Kenkyusyo Yamashina-ku, Kyoto 607-8482, Japan

Test method

SteriTouch Ltd, Rassau Industrial Estate, Ebbw Vale, Gwent, NP23 SSD United Kingdom Tel: 01495 211400 | Info@steritouch.com | www.steritouch.com



Technical Data Sheet 07-2015

EN 438-2:2005 Group 1, 2, 3: Level 5, no visible change

Accomplishment in dependence on JIS Z 2801 and ISO 22196:2007

We tested the following microorganism: Germs: ATCC 4157 Eschericha coli (gram-negative) ATCC 6051 micrococus luteus (gram-positive) (Concentration 1.6 x10exg(5) in 400 µl) Atter 2.34, and 5 hours we identified the number of living germs (CFU, colony forming unit) The reduction of CFU compiled with manufatativa antificiarbial effect.

EN 438-2:1991 Level 4, ≥ 5 N

EN 438-2:2005 Level 5. no visible change

Add: 8° floor, Block B, Zhongyin Plaza, Cai Tian Road, Futian District, Shenzhen, China, 518035 it: 86-755-29822199 Fax: 86-755-28115670 Web: www.risewell.cn www.decorativeboards.com E-mail: sales@ri

SteriTouch

Antimicrobial Test Report

WAH (U.K) - 0001a

Client: Date:

Anti-Microbial Test Division, Kyoto Biseibutsu Ker Yamashina-ku, Kyoto 607-8482, Japan

Test Laboratory:

Each test sample is inoculated with a suspension of the test organism (for example, MRSA). The inoculum is held in contact with the test samular as term of the control in the control in

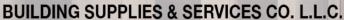
The bacterial population on three control replicates is evaluated immediately following inoculation. This is assumed to be the in all test samples (i.e. the population at zero hours).

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