



What is Microban® antimicrobial technology?

How does it work?

Microban technology inhibits the growth of microbes by disrupting multiple functions required for bacterial maintenance and reproduction. When microbes such as bacteria, mold and mildew come in to contact with the product surface, our antimicrobial agents penetrate the cell wall of the microbe and bind to various targets in it, such as enzymes, proteins, cell membranes and DNA. This disrupts key cell functions so the microbe growth is inhibited. Our unique antimicrobial technology works 24/7 and does not require light activation. Proprietary formulation and application techniques ensure that Microban's antimicrobial technology is permanently locked into the surface of the product.

Breakthrough technology

Microban zinc technology inhibits the growth of microbes by interfering with the ion gradient in their cell walls. This mode-of-action hampers the ability of the microbes to consume nutrients and by eliminating the gradient, the bacteria or fungi lack the necessary nutrients to grow.

Easy to test

Microban zinc technology can be tested with a variety of recognized test methods. For bacterial efficacy, the Kirby-Bauer, AATCC TM90 and TM100, JIS Z 2801 and ISO 22196 are commonly used. For fungal efficacy, the AATCC TM30(iii) and ASTM G21 or D3273 can be used.

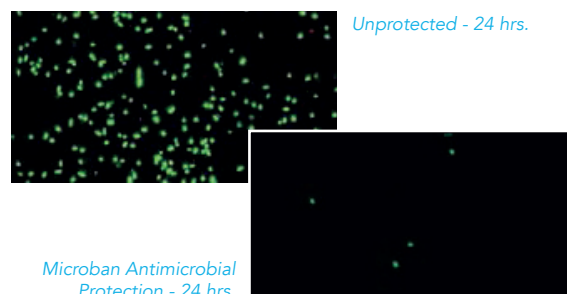
An antimicrobial is an additive placed into a product during the manufacturing process and becomes an intrinsic part of the product inside and at the surface. By placing this additive, the product receives protection from microorganisms like bacteria, mold, mildew, and fungi. These organisms are known to cause odour and stains if not appropriately inhibited. Pairing your product with Microban Antimicrobial Technology, reduces damaging bacteria and improve the lifespan of your product.

Proven history of safe use

Microban's portfolio of technologies have a long history of safe use in diverse applications and products. Microban zinc antimicrobial technology is not consumed during its action against microbes and is therefore not depleted or destroyed. This allows the technology to work effectively, keeping products cleaner for longer.

Cleaner

In the images below, taken using a confocal microscope, you can see how an unprotected surface supports the growth and proliferation of bacteria, while on the Microban protected surface the bacteria are unable to grow or reproduce over time.



Technology at work

Microban® antimicrobial technologies keep healthcare product surfaces cleaner between cleanings by inhibiting the growth of stain and odour causing bacteria.

Metro Healthcare products from Millione with Microban® antimicrobial product protection as standard

Starsys

A modular system of storage, transport, carts and workstations with unrivalled flexibility. Constructed from advanced polymer materials that are easy to keep clean, offering excellent chemical resistance and longevity. Fully configurable to your exact specification.



Flexline procedure carts

Our most popular cart. Flexible, upgradeable options to suit all hospital procedures. Available in a wide range of sizes and configurations with a variety of security and technology features. Overbridge storage creates additional space and clears clutter.



Lifeline crash carts

Designed for resuscitation departments, Lifeline's exclusive 5th wheel steering system provides maximum control and manoeuvrability. Side bins, top storage compartment and a range of drawer configurations provide simultaneous access to multiple stored products.



MetroMax iQ storage

Corrosion proof MetroMax iQ has an innovative advanced full polymer design that offers superior performance against wire shelving at a fraction of the cost of stainless steel. iQ system shelves have removable grid and solid polymer mats for ease of cleaning.



myCart utility trolleys

The world's most ergonomic trolley with patented anti-kick design which offers up to 50% more legroom than conventional trolley's. myCART's have built in utility trays and come with identification labels so trolleys can be personalised by person or specific areas.



Who we are

Millione are the UK's largest distributor and stockist of the world renowned Metro range of Healthcare products. Our thirty year partnership with Metro ensures that we offer our customers an unrivalled level of product knowledge and sales expertise. We are not a catalogue company. We have built our business by offering open, honest advice and creating long term relationships with our clients. We offer a full design, supply, delivery and install service and we work closely with you so we can fully understand your requirements.

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