

ECOMED® ANTIMICROBIAL & ANTIVIRAL DISPOSABLE HOSPITAL CURTAINS

SURROUND YOU AND PROTECT YOU.

EcoMed
Disposable Hospital Curtains

PARTNERED WITH
MICROBAN 

Contents

Why Change to EcoMed® Antimicrobial Disposable Curtains?

1

Why Choose Microban® Built-in Antimicrobial Technology?

2

Global Laboratory Testing Reports

4

EcoMed Curtain Instructions

5

EcoMed Curtain Selection Guide

6

Who We Are

8

Why Change to EcoMed® Antimicrobial Disposable Curtains?

Reducing: Healthcare Associated Infections (HAIs)

Traditional fabric curtains, though washed regularly, can retain infectious pathogens, posing a risk of cross-contamination between patients and staff. Disposable curtains, on the other hand, are designed for single use, significantly reducing the chances of infection transmission!

Saving Money

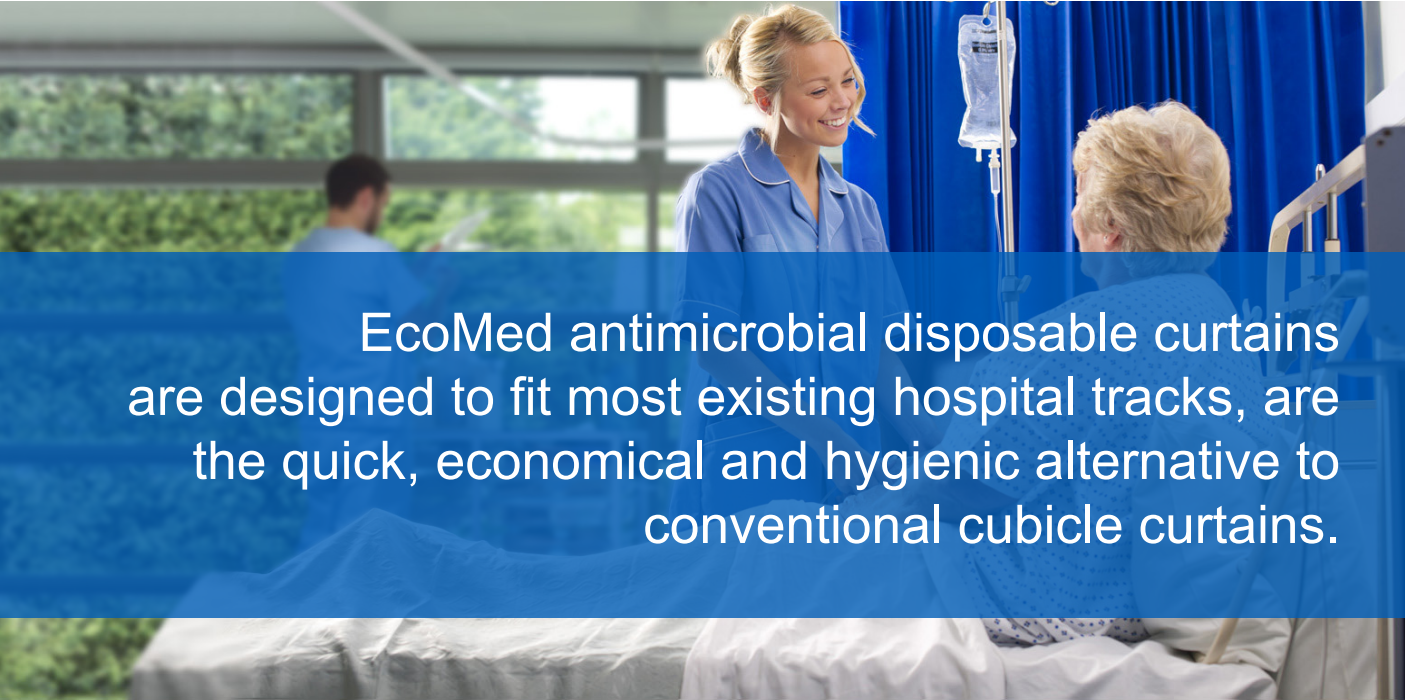
A traditional fabric curtain costs times than a disposable curtain and requires high operational cost in terms of man-hours and quarterly washing, while disposable curtains cost zero on this.

Saving Time

Disposable curtains were much easier to hang or remove due to their lighter weight than traditional fabric curtains.

100% Recyclable

Made of 100% polypropylene non-woven fabric, are 100% recyclable as non-clinical waste to ensure that the disposals are safe and environmentally friendly.



EcoMed antimicrobial disposable curtains are designed to fit most existing hospital tracks, are the quick, economical and hygienic alternative to conventional cubicle curtains.

Reference: Jeremy Lim, Operations Admin and Material Management; Priscilla Han, Infection Control, Nursing; Mark Tan, Operations Admin, National Cancer Centre Singapore. "Risk assessment on use of traditional curtains vs disposable curtains in terms of cost effectiveness, work processes and infection control concerns." Singapore Healthcare Management (2018)

Treated with Microban®

Built-in Antimicrobial Technology



**Safe to Use
Long Lasting Protection.**



Unlike disinfectants coating which provide a limited residual activity once the treated surface dries, built-in Microban antimicrobial technology works to continuously minimize the presence of microbes throughout the entire life-cycle of a curtain.

KEY FACT: Even after disinfection, bacterial numbers rebound by 2 hours!

Integrated Microban protection will remain present in EcoMed disposable curtains for its expected lifetime. The built-in technology will not wash off, wear away or leach out.



Protection for the lifetime of the curtain.

Microban antimicrobial technology is not a spray-on but built-in to the polymer structure of the non-woven fabric at the point of manufacture. The antimicrobial active components are evenly distributed throughout the whole curtain. Its efficacy covers the entire lifespan of the curtain.



Safety of Microban.

Microban technology has undergone extensive independent laboratory testing and has a long history of safe use. The biocidal active components of Microban are notified with the EU Biocidal Products Regulation (BPR), registered with the US Environmental Protection Agency (EPA), US Food and Drug Administration (FDA) and OEKO-TEX listed.



*Microban® is a registered trademark of Microban Products Company.

Microban Ultra-Fresh CA-16 is not formulated with, and does not contain, any of the following substances:

- a) Lead; b) Mercury; c) Cadmium; d) Hexavalent chromium; e) Polybrominated biphenyls (PBBs);
- f) Polybrominated diphenyl ethers (PBDEs); g) Bis(2-ethylhexyl) phthalates (DEHPs); h) Butyl benzyl phthalates (BBPs);
- i) Dibutyl phthalates (DBPs); or j) Diisobutyl phthalates (DIBPs)

How Does Microban® Work? Built-in Technology VS Coating

How does Microban work?

Microban antimicrobial technology works at a cellular level to continually disrupt the growth and reproduction of microorganisms. It operates a multi modal attack, damaging the protein, cell membrane, DNA and internal systems of a microbe. Once built into a curtain, Microban technology will start to work as soon as a microorganism comes into contact with the protected curtain surface.

How does Microban antimicrobial additive differ from disinfectants?

Unlike disinfectant coating which provide a limited residual activity once the treated surface dries, Microban built-in antimicrobial technology works to continuously minimize the presence of microbes throughout the entire life-cycle of a curtain. See the differences between disinfectants coating and Microban built-in antimicrobial technology applied on disposable curtains in the below table.

	Microban® Built-in Antimicrobial Technology	Disinfectant Coating
Product Form	Masterbatch	Liquid Form
Treating Method	Built into Polymer Structure of Fabric	Coating on Surface of Fabric
Effectiveness	Long Lasting	Short & Limited
Treated Curtain Surface	Dry & Smooth	Wet & Sticky
Wipe Clean	YES	NO
Allergic Risk	NO (Oeko-Tex Listed)	YES
Safe for Children	YES (FDA Approved)	NO

*Disclaimer: The comparative information of disinfectant in the above table are only applicable to disinfectants coated on disposable curtains made of non-woven fabric.

Global Laboratory Testing

Antimicrobial & Antiviral / Fire retardant

Curtain Fabric Testing

EcoMed disposable hospital curtains treated with Microban technology are tested for their antibacterial and antiviral efficacy in accordance with internationally recognised test standards ISO 20743 and ISO18184.

ISO 20743: Determination of antibacterial activity of textile products. ISO 20743 specifies quantitative test methods to determine the antibacterial activity of all antibacterial textile products including non-woven fabric.

ISO 18184: Determination of antiviral activity of textile products. ISO 18184 is an antiviral textile test that measures virucidal antimicrobial activity on textiles, non-woven and other porous materials against specific viruses.

Three Years Testing

Tests for antimicrobial activity have been conducted on EcoMed curtain which was used for three years. The curtain has been proven to still kill up to 99.99% of bacteria.

*Testing reports are available upon request.



Bacteria	International Standards	Log Reduction
E. coli	ISO 20743	4.40
S. aureus	ISO 20743	3.60
MRSA	ISO 20743	4.40
VRE	ISO 20743	3.30
Ps. aeruginosa	ISO 20743	4.30
E. faecalis	ISO 20743	4.40
A. baumannii	ISO 20743	4.50
K. pneumoniae	ISO 20743	5.90
S. enteritidis	ISO 20743	5.60

Viruses	Antiviral Active Value
Human Coronavirus (HCoV-229E)	99.99%
H1N1 Influenza A virus (Swine Flu)	99.99%
Human enterovirus 71 (EV-A71)	99.99%
Coxsackievirus A21	99.63%
Adenovirus type 3	99.56%

Fire retardant standards

EcoMed disposable curtains have been tested to the following international standards by SGS:

Country	International Standards
United Kingdom	BS 5867 Part 2 Type C: 2008
United States	NFPA 701: 2023
Europe	EN13772, EN13773 Class 1
Australia	AS 2755.2-1985
New Zealand	AS/NZS 1530.3: 1999



Disclaimer: EcoMed disposable curtain has been treated with a Microban® antiviral technology to reduce the viral load on the surface by 99.99% within 2 hours, as per the ISO 18184 test method (against H1N1 Influenza A virus). Testing conducted at SGS. Microban® technology is not designed to protect the user of this product or others against disease-causing microorganisms and is not a substitute for normal cleaning practices. And Microban® antiviral technology is not designed to protect users or others against viruses. Normal cleaning and hygiene practices should be maintained.

EcoMed Curtain Instructions

Recommended Changeover Procedure

To get the best from EcoMed disposable curtains, please follow the below steps:

- Clean track - follow manufacturer's instructions.
- Lubricate track using silicone wipe.
- When not in use, just fold away against the wall using the curtain fastening to avoid soiling.
- Due to built-in antimicrobial technology, you can just wipe the curtain surface to clean dust or stain.
- Curtain should be changed if heavily soiled with blood or body fluid to avoid infection.
- Unless contaminated, then dispose with clinical waste.

Recommended changeover procedure

The following table is a comparative look at EcoMed disposable curtains changeover frequency and the recommended changeover of reusable curtains.

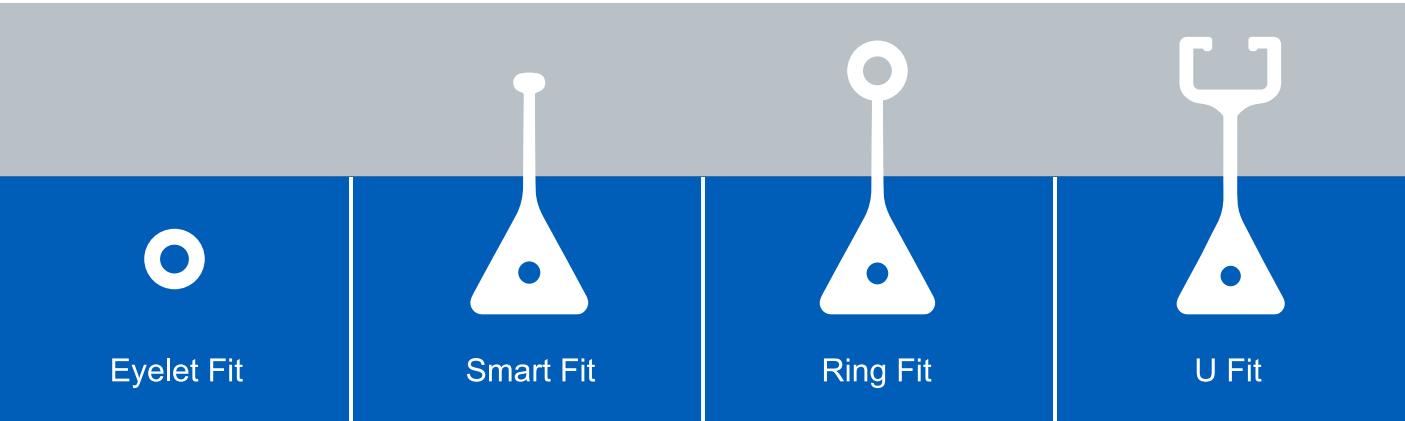
Area	Recommended changeover frequency of EcoMed Disposable Curtains	For comparative purposes, recommended changeover of Reusable Curtains
Very High Risk • Outbreaks of infectious diseases	Change immediately and upon discharge of the patient from bed or room and dispose	Change immediately and clean upon discharge
High Risk • Intensive care units • High dependency unit • Burns unit, renal units • Day surgery • Operating suites • Emergency wards • Wards for patients with highly transmissible diseases e.g. MROs (VRE, MRSA, S. aureus, E. coli)	Annually - Change annually or if they are visibly soiled or torn	Monthly - Change or clean monthly or upon discharge if MROs present. If visibly soiled change immediately
Significant Risk • General wards	Annually - Change annually or if they are visibly soiled or torn	Six Monthly - Change or clean twice per year and immediately if visibly soiled
Low Risk • Rehabilitation • Long term care/nursing homes • Office based practice • Medical centre, radiography	Every two years - Change every two years or if they are visibly soiled or torn	Annually - Change or clean annually and immediately if visibly soiled

*Note: EcoMed disposable curtains can be changed more frequently depending upon an individual healthcare facilities requirements or changeover and cleaning policy.

EcoMed Curtain Selection Guide

1. Hook Type

Our integrated hooks are designed to fit a range of curtain tracks in any healthcare environment.



2. Colour Range

We offer 9 stocked colours, along with custom pediatric printing patterns and a wide selection of bespoke colours.



3. Curtain Size

Available in four standard widths:
• 7.5m • 6.0m • 4.5m • 3.0m

Available in two standard drops:
• 2.0m for suspended curtain tracks.
• 2.5m including 0.5m mesh on top for ceiling mounted curtain tracks to meet fire codes by allowing light, air and water circulation.

*Bespoke curtain widths and drops can be tailored to your needs on request.



EcoMed Disposable Curtain Specification Sheet



- + EcoMed patented hooks can quick and easy fit onto any existing cubicle tracks.
- + Two permanent heat seal self-auditing labels on each curtain allows anyone to see when the curtain was last changed. And the clear NO ENTRY mark to provide patients privacy!
- + EcoMed disposable curtains are permanently pleated and when not in use can be folded back into a much smaller stack thus showing a neat and modern appearance.
- + Made of 100% recyclable polypropylene non-woven fabric treated with built-in Microban antimicrobial technology, extremely durable and can last for over two years.
- + Flame retardant.
- + Each curtain is fitted with a stitched tieback with VELCRO sticker which secures the curtain neatly when not in use.
- + Once the curtain is hanging, remove the protective, hygienic polythene wrapper.

- + The hook for different curtain track could be different, please contact your local agent for details before ordering.
- + Please visit our website to learn more www.ecomedcurtains.com

Who We Are: A Leading Designer & Manufacturer



“At EcoMed, we don’t just offer infection control solutions, we pave the way for a safer, cleaner future in healthcare worldwide.”

Simon Wu, Managing Director

About Us

We started in 2012 with a simple idea that every patient, staff and visitor should have well protection from infection in hospitals or other healthcare facilities. We’re dedicated to applying the latest innovative technology to our disposable curtains to reduce and eliminate the infection unseen because we believe that the hospital curtains with the latest technologies will radically change the way to balance hospital outlay and infection control!

Partnered with Microban, we successfully launched the 3rd generation built-in antimicrobial disposable hospital curtains. Microban built-in antimicrobial technology works to continuously minimize the presence of microbes throughout the entire life-cycle of a curtain. We are proud to see it has unbelievably changed the way to prevent infection control.

Committed to excellence, we strive to lead globally in hospital solutions, prioritizing quality, and customer satisfaction. We meticulously oversee every aspect of manufacturing, from materials to packaging while prioritizing team well-being and environmental sustainability.



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MEMO:

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