



# endurocide<sup>®</sup> ANTIMICROBIAL & SPORICIDAL CURTAINS

Not all curtains  
are the same

# Hospital Acquired Infections

## The facts



Pathogens can survive on hospital surfaces for days or weeks, making curtains important vehicles for the transmission of pathogens<sup>1</sup>

93%

of tested laundered (fabric) contained bacteria that could result in healthcare-associated infections...  
...Traditional hospital laundering practices are not sufficient to remove all viable bacteria<sup>2</sup>

92%

of traditional curtains become recontaminated within 1 week<sup>1</sup>



*C.difficile* spores & MRSA can survive on surfaces in excess of 5 months<sup>3</sup>



Contamination occurs rapidly after curtains are placed in the hospital environment<sup>1</sup>

1. Ohl, Michael; Schweizer, Marin; Graham, Maggie; Heilmann, Kristopher; Boyken, Linda; Diejema, Daniel "Hospital privacy curtains are frequently and rapidly contaminated with potentially pathogenic bacteria" American Journal of Infection Control (2012)

2. Karen McIntyre "Hospital Laundering Practices linked to HAI's" [www.nonwoven-industry.com](http://www.nonwoven-industry.com) (May 2013)

3. Kramer, Axel; Schwebke, Ingeborg and Kampf, Günter "How long do nosocomial pathogens persist on inanimate surfaces? A systematic review" BMC Infectious Diseases (2006), 6:130

# endurocide®

ANTIMICROBIAL & SPORICIDAL CURTAINS

## The world's first Antimicrobial & Sporocidal Disposable Curtain

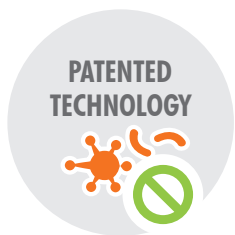
Disposable hospital curtain  
with antimicrobial and  
sporicidal effectiveness  
of up to 2 years\*

### Effective against:

- ✓ Spores
- ✓ Mycobacteria
- ✓ Bacteria
- ✓ Fungi

## Benefits & advantages

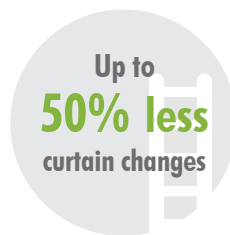
Endurocide Antimicrobial & Sporocidal Curtains® significantly reduce the risk of hospital acquired infections (HAIs) being transferred via curtains by care workers, patients and visitors.



**PEER REVIEWED**  
fully patented  
hospital curtain



**OVERALL SAVINGS**  
over 2 years



**REDUCING RISK**  
& staff workloads



**NO LAUNDERING**  
retaining fire retardancy

\* Endurocide® Antimicrobial & Sporocidal Curtains have been independently tested to remain antimicrobially and sporicidally effective for up to two years in-situ. However, actual length of curtain use will depend on individual hospital practices and the risk of the curtain being soiled from items such as blood, urine and general spills. Curtains should be replaced when visibly soiled. Timescales are given as guidelines only.

# Testing & trials

To validate our claims, Endurocide® Antimicrobial & Sporicidal Curtains have been independently tested in the laboratory to international standards. In addition, the curtains have undergone successful peer review trials in the UK, Australia, South Africa, South America and the Middle East.

## Laboratory fabric testing

### 1 Sporistatic & Bacteriostatic Testing

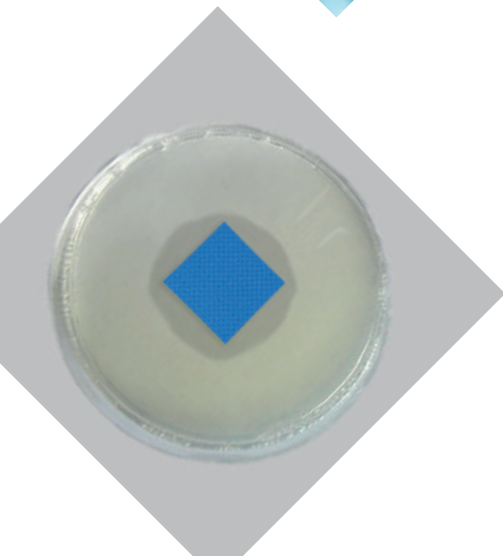
Qualitative "Zone of Inhibition" tests demonstrate that the fabric is sporistatic and bacteriostatic and whether it can prevent pathogens from growing and reproducing on treated fabric.

### 2 Sporicidal & Bactericidal Testing

Quantitative tests to demonstrate that the treated fabric is capable of killing spores, bacteria and fungi.

### 3 One Year & Two Year Testing

Tests conducted on the Endurocide® Antimicrobial & Sporicidal Curtain fabric one year and two years after manufacture, to demonstrate that the treated fabric remains active and effective.



**Endurocide® Antimicrobial & Sporicidal Curtains are tested and proven to be effective against the following pathogens:**

#### Spores

- *C. difficile*

#### Mycobacteria

- *Mycobacteria tuberculosis*

#### Fungi

- *Aspergillus niger*
- *Candida albicans*
- *Candida auris*

#### Viruses\*

- H1N1 Influenza A Virus (Swine Flu)
- Measles

\*Tested against liquid

#### Bacteria


- *Acinetobacter baumannii*
- *E. hirae*
- *E. coli*
- Extended-Spectrum Beta-Lactamase (ESBL) *E. coli*
- Extended-Spectrum Beta-Lactamase (ESBL) *Klebsiella pneumoniae*
- *Klebsiella pneumoniae*
- Methicillin-resistant *Staphylococcus aureus*
- *Pseudomonas aeruginosa*
- *Salmonella choleraesuis*
- *Salmonella typhimurium*
- Vancomycin-resistant *Enterococcus faecalis*


# Advanced patented infection prevention technology


Endurocide® Antimicrobial & Sporicidal Curtains are the next generation of hospital curtains. Proven to be effective against spores, bacteria and fungi


## How Endurocide® Antimicrobial & Sporicidal Curtains work


Unlike traditional polyester curtains or untreated curtains that **can store bacteria**, Endurocide® curtains are impregnated with a patented liquid formulation that **traps and kills pathogens** on the surface of the curtain, helping to prevent the fabric from becoming a source of pathogenic transmission.

- 

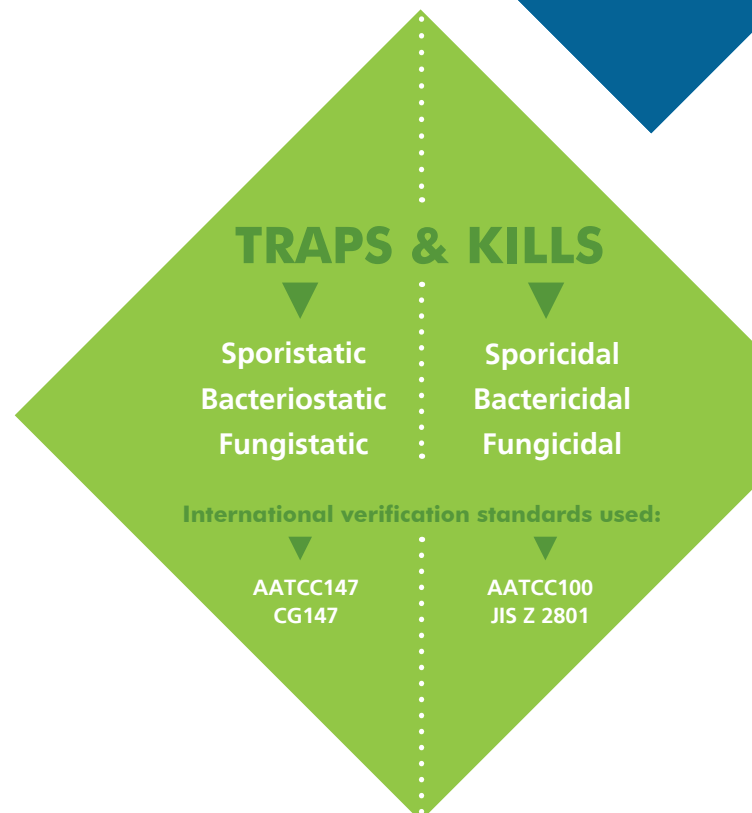
1 Hand touches contaminated surface and picks up pathogens
- 

2 Contaminated hand touches an Endurocide® Antimicrobial & Sporicidal Curtain - pathogens may be transferred to the curtain surface
- 

3 The Endurocide® curtain is **SPORISTATIC - pathogens are trapped** and unable to escape
- 

4 The Endurocide® curtain is also **SPORICIDAL - pathogens are killed**
- 

5 The Endurocide® curtain prevents potential retransmission of pathogens to other people or surfaces - **breaking the chain of infection**



# Independent Peer Review 2-year Trials

## 1 American Journal of Infection Control 24 month trial

In 2016, a report was published in the American Journal of Infection Control testing the antibacterial efficacy of Endurocide® Antimicrobial & Sporicidal Curtains 24 months after installation.

Organised by one of Australia's largest public health services, every six months over a period of **twenty-four months** Zone of Inhibition and Contact Inhibition testing was carried out against a range of multi-resistant microorganisms, including:

- Gram positive bacteria (MRSA, VRE *E. faecium*)
- Gram negative bacteria (*Pseudomonas aeruginosa*, ESBL *E. coli*)
- Fungi (*Candida albicans*)
- Spores (*Clostridium difficile*)

\*The cost savings were based on comparing the use of Endurocide® Antimicrobial & Sporicidal Curtains with traditional cotton cubicle curtains, not only in regards to the initial purchasing costs but to the saving of labour and laundering over two years.

COST  
REDUCTION  
**50%**



Excellent results were achieved... when tested at baseline, **6, 12, 18 and 24 months**.

There were cost benefits for replacing standard fabric curtains with Endurocide® Sporicidal and Antimicrobial Curtains... cutting the overall cost by more than 50%\*



## 2 European Peer Review Trial 1

Comparison of bacterial loading of Endurocide® Antimicrobial & Sporicidal Curtains against traditional cotton curtains used in-situ in a hospital ward. After 10 days swabs were taken from the edge of each curtain.

### Results:

Traditional Curtain	Endurocide® Antimicrobial & Sporicidal Curtain
MORE than <b>&gt; 150,000</b> CFUs	LESS than <b>&lt; 30</b> CFUs

## 3 European Peer Review Trial 2

Comparison of bactericidal properties of Endurocide® Antimicrobial & Sporicidal Curtains fabric and untreated polypropylene.

## 4 NHS Hospital Trial

Evaluation by a leading NHS hospital trust in England comparing Endurocide® Antimicrobial & Sporicidal Curtains against traditional polyester curtains across two busy wards throughout an 8 week period.



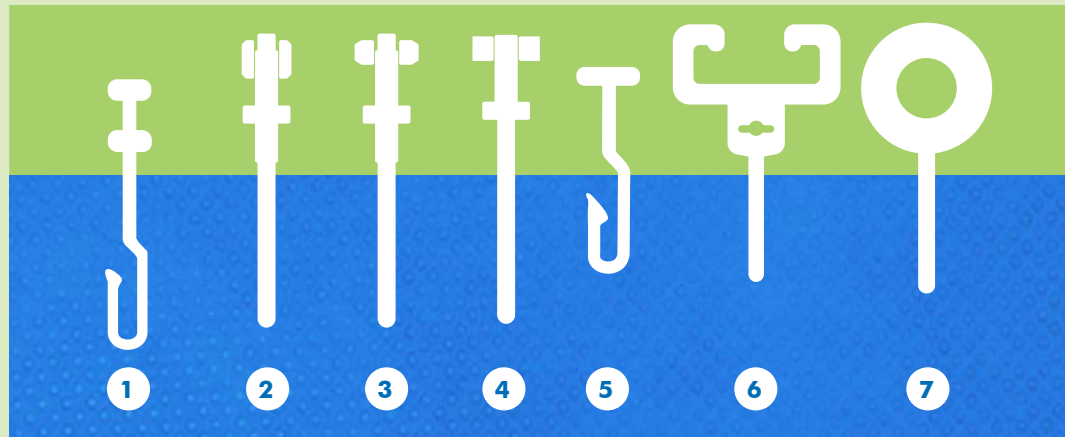
If your hospital would like to conduct its own trial please get in touch:

Tel: +44 (0) 1561 361515  
[info@endurocide.com](mailto:info@endurocide.com)  
[endurocide.com](http://endurocide.com)

# Options & specifications

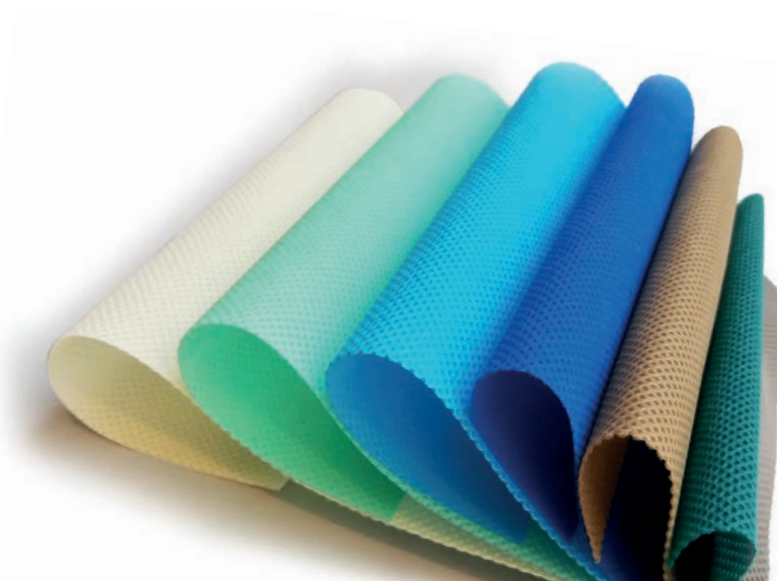
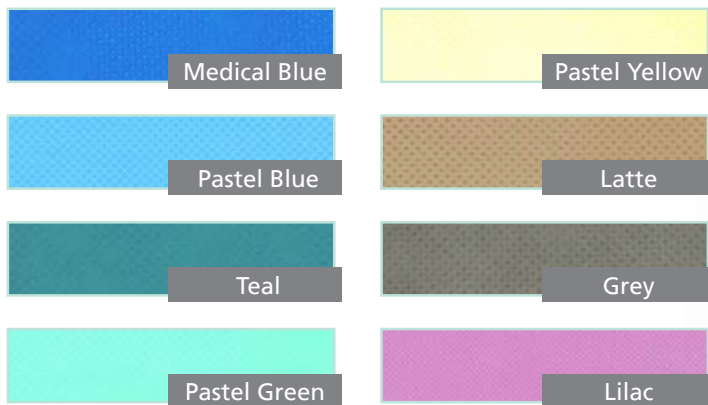
## Hanging systems

- 1 Quick-fit
- 2 Wheeled
- 3 Wide-wheeled
- 4 Metal bar wide-wheeled
- 5 Large-top
- 6 U-type
- 7 Eyelet extension hook



## Curtain colours

### Standard Colours

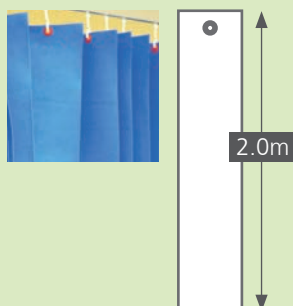


Other colours available on request

## Curtain types

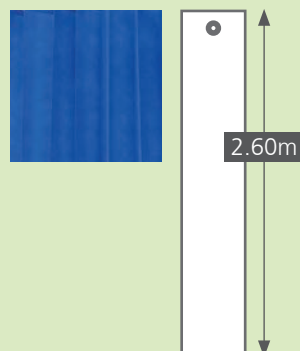
### Standard

100% polypropylene, designed for use with suspended ceiling rails



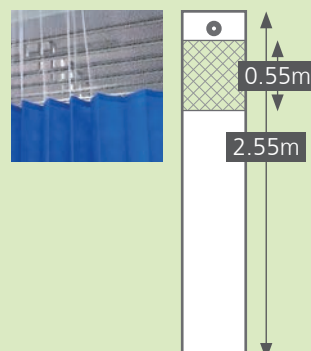
### Longdrop

100% polypropylene, designed for use with ceiling-fixed rails



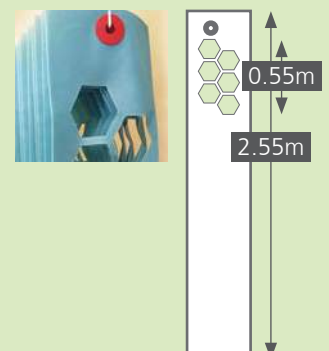
### Meshtop

With NFPA 13 compliant mesh, designed for use with ceiling-fixed rails



### Mesh cut

An economical alternative to the traditional meshtop curtain



## Features & benefits

- ✓ Long lasting (up to 24 months)
- ✓ Breaks the chain of infection
- ✓ No laundry costs
- ✓ Fitted with tiebacks
- ✓ Lightweight
- ✓ Self-auditing & privacy labels
- ✓ 100% recyclable
- ✓ No track conversion
- ✓ Fire retardant\*

\*Meets international standards: NFPA 701, AS 2755.2 - 1985, BS 5867 Part 2 Types B & C 2008, AS 1530.2-1993 Part 2: Test for Flammability of Materials and CAN/ULC-S109

## Where to use

Designed for critical hospital and healthcare environments where patient care cannot be compromised.

Suitable for use in hospital departments such as:

- Burns units
- Cardiology wards
- Intensive care units
- Infectious disease units
- Oncology wards
- Renal units
- Maternity & neonatal
- High dependency units
- Operation suites
- Obstetrics
- Rheumatology
- Gynaecology
- General surgery wards
- Isolation wards

## Curtain dimensions

	Standard	Mesh top	Mesh cut	Longdrop
Height	2.0m	2.55m (includes 0.55m mesh)	2.55m	2.6m
Full width	7.5m	7.5m	7.5m	7.5m
Medium width	5.55m	5.55m	5.55m	5.55m
Half width	3.75m	3.75m	3.75m	3.75m
Pleat width	0.15m	0.15m	0.15m	0.15m

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