

Antimicrobial Clinical Curtains

Technical Data Sheet (TDS)

Product description

Mactrac Care Antimicrobial Clinical Curtains are non-woven, 100% polypropylene disposable curtains specifically designed for use in environments which require curtain fabrics to have strong antimicrobial properties such as healthcare. Mactrac Care Antimicrobial Clinical Curtains are durable and fire safe, with long lasting antimicrobial properties that remove the need for laundering, providing a more cost-effective option for healthcare environments when compared with traditional cotton or polyester curtains.

Material Properties:

Composition: ≥ 99.9% Polypropylene, non-woven

Weight: 100-110 gsm

Size: 2m x 3.75m or 7.5m

Origin: Made in China

Colours: Sea Blue (Patterned), Royal Blue, Cream

Flame Retardancy: British Standard BS 5867-2

Antimicrobial Agent: Polyhexamethylene Guanidine (PHMG), CAS no. 57028-96-3

Antifungal Properties: Yes

Antibacterial Properties: Yes

Product Features

- ✓ The curtains are light weight with a standardised drop of 2 meters allowing for a gap between the curtain edge and floor minimising the risks of ware and contamination.
- ✓ Unlike traditional hospital curtains which can become a breeding ground for microbes, Mactrac Care Antimicrobial Clinical Curtains have strong antimicrobial properties that fight the spread of Hospital Acquired Infections.
- ✓ Self-auditing labels to facilitate organised changing schedules and compliance with hospital IPC controls.
- ✓ Mactrac Care Antimicrobial Clinical Curtains are durable and retain their antimicrobial properties throughout their product lifespan.

Product Application

- Mactrac Care Antimicrobial Clinical Curtains are fully compatible with the Mactrac Quick Clip and Mactrac Pro and ProPlus curtain track systems making hanging and removing fast and simple.
- Mactrac Care Antimicrobial Clinical Curtains should not be cleaned, laundered, or sanitised and should be replaced if damaged or soiled. Curtains should be replaced after 6 month or as soon as visible signs of ware or soilage occur.

Material Testing Information



Passed testing for antimicrobial properties using method ISO 20743. Independent accredited testing completed by SGS tested the bactericidal, and sporicidal properties on specimens of *E. coli* (gram-negative bacteria), *Staphylococcus aureus*/MRSA (gram-positive bacteria) and *Candida Albicans* (Fungi).



Passed testing for antimicrobial properties using method AATCC 100. Independent accredited testing completed by SGS tested antibacterial and antifungal properties on specimens of *E. coli* (gram-negative bacteria), *Staphylococcus aureus*/MRSA (gram-positive bacteria) and *Candida Albicans* (Fungi).



Passed testing for the British Fire Retardancy Standard for use in healthcare B5867:2 Type C. Independent accredited testing completed by SGS using method ISO 15025:2002. Testing analogous with method ISO 6941 which serves as the New Zealand and Australian standard AS 2755.2-1985.



Antimicrobial Hospital Curtains (Mesh Head)

Technical Data Sheet (TDS)

Product description

Mactrac Care Antimicrobial Hospital Curtains (Mesh Head) are non-woven, 100% polypropylene disposable curtains specifically designed for use in healthcare environments. Mactrac Care Hospital Curtains feature a 40cm mesh head that increases airflow and ensures that sprinkler systems are unobstructed in the case of a fire. Mactrac Care Antimicrobial Hospital Curtains are durable and fire safe, with long lasting antimicrobial properties that remove the need for laundering, providing a more cost-effective option for healthcare environments when compared with traditional cotton or polyester curtains.

Material Properties:

Composition: ≥ 99.9% Polypropylene, non-woven
Weight: 100-110 gsm
Drop: 2.35m (1.9m +0.4m mesh +0.05m header)
Size: 5.5m or 7.5m
Origin: Made in China
Colours: Sea Blue (Patterned), Royal Blue, Cream
Flame Retardancy: British Standard BS 5867-2
Antimicrobial Agent: Polyhexamethylene Guanidine (PHMG), CAS no. 57028-96-3
Antifungal Properties: Yes
Antibacterial Properties: Yes

Product Features

- ✓ Mactrac Care Antimicrobial Hospital Curtains are light weight with a standardised drop of 2.35 meters allowing for a gap between the curtain edge and floor minimising the risks of ware and contamination.
- ✓ Unlike traditional hospital curtains which can become a breeding ground for microbes, Mactrac Care Antimicrobial Hospital Curtains have strong antimicrobial properties that fight the spread of Hospital Acquired Infections.
- ✓ Self-auditing labels to facilitate organised changing schedules and compliance with hospital IPC controls.
- ✓ Mactrac Care Hospital Curtains are durable and retain their antimicrobial properties throughout their product lifespan.
- ✓ Mactrac Care Hospital Curtains feature a 40cm Mesh at the top to allow airflow and in case of a fire, ensure that curtains do not disrupt sprinkler discharge pattern or activation time.

Product Application

- Mactrac Care Antimicrobial Hospital Curtains are fully compatible with the Mactrac Quick Clip and Mactrac Pro and ProPlus curtain track systems making hanging and removing fast and simple.
- Mactrac Care Antimicrobial Hospital Curtains should not be cleaned, laundered, or sanitised and should be replaced if damaged or soiled. Curtains should be replaced after 6 month or as soon as visible signs of ware or soilage occur.

Material Testing Information



Passed testing for antimicrobial properties using method ISO 20743. Independent accredited testing completed by SGS tested the bactericidal, and sporicidal properties on specimens of *E. coli* (gram-negative bacteria), *Staphylococcus aureus*/MRSA (gram-positive bacteria) and *Candida Albicans* (Fungi).



Passed testing for antimicrobial properties using method AATCC 100. Independent accredited testing completed by SGS tested antibacterial and antifungal properties on specimens of *E. coli* (gram-negative bacteria), *Staphylococcus aureus*/MRSA (gram-positive bacteria) and *Candida Albicans* (Fungi).



Passed testing for the British Fire Retardancy Standard for use in healthcare B5867:2 Type C. Independent accredited testing completed by SGS using method ISO 15025:2002. Testing analogous with method ISO 6941 which serves as the New Zealand and Australian standard AS 2755.2-1985.





Antimicrobial Curtains

Frequently Asked Questions (FAQs)

What is the advantage of using Mactrac Care Disposable Antimicrobial Curtains over traditional curtains?

Traditional cotton or polyester curtains are heavy and require regular laundering to ensure that they are kept clean of microbes, something that is of the utmost importance in the healthcare environment. In contrast, Mactrac Care Disposable Antimicrobial Clinical Curtains remove the need for laundering along with being light weight and antimicrobial, providing a more time-efficient and cost-effective alternative.

How easy are the Mactrac Care Antimicrobial Curtains to install?

Mactrac Care curtains have been designed to be compatible with Mactrac Pro and ProPlus track systems. All you need to do is simply clip the I-hooks on the Mactrac Care Curtains into the specially designed Quick Clips which act as an intermediary between the curtain and track, allowing for fast and easy coupling and decoupling from Mactrac Pro and ProPlus tracks.

How do Mactrac Care Antimicrobial Curtains work?

Mactrac Care Disposable Antimicrobial Curtains have been treated with an antimicrobial agent to endow long lasting antimicrobial properties on to the polypropylene fabric. Mactrac Care Antimicrobial Curtains have both bacteriostatic and bactericidal properties, meaning they both inhibit the growth of bacteria, while actively killing existing bacteria. Testing has shown Mactrac Care Antimicrobial Curtains to be effective against both bacteria and spore forming fungi.

What is the difference between antimicrobial, antibacterial, bacteriostatic, and bactericidal?

Antimicrobial describes the overall ability of a substance to combat microorganisms, which may include Bacteria, Fungi, and Viruses. Antibacterial is a general term for a property of a substance to combat bacterial growth and encompasses both terms bacteriostatic and bactericidal. Bactericidal is the term that describes the ability of a substance to kill bacteria whereas Bacteriostatic is the property of a substance to resist increased growth of bacteria.

Why are Mactrac Care Antimicrobial Curtains tested using the ISO 20743 and AATCC 100 methods?

Both ISO 20743 and AATCC 100 are industry standard tests for the antimicrobial properties of fabrics. ISO 20743 is a quantitative test, based on the JIS L 1902 method, used to determine both bactericidal and bacteriostatic properties of a material. AATCC 100 is another method of quantitative testing that measures both bacteriostatic and bactericidal properties of a material. These quantitative tests importantly measure the level of effectiveness of these qualities which is a major benefit over qualitative tests like AATCC 147 (which is used to determine whether a material has bacteriostatic qualities) which do not measure effectiveness of these properties.

Are disposable curtains environmentally friendly?

Mactrac Care Antimicrobial Clinical Curtains are made from 100% propylene. The benefit of using polypropylene is that it has a relatively low carbon footprint when compared with other synthetic and organic fibres. Additionally, by switching from traditional curtains to disposable polypropylene you remove the hundreds of litres of hidden water from the laundering process. As well as having a lower carbon footprint being made of 100% polypropylene means disposable curtains can be recycled through existing offshore programs.



How long will the curtains last?

Mactrac Care Antimicrobial Curtains are made of 100% polypropylene, making them lightweight and durable. The antimicrobial properties are endowed on the curtains in the finishing stage of manufacturing, meaning that they should last their entire product life.

When shall we change the curtain/how frequently?

We recommended that curtains are replaced every 6 months to ensure that the curtains remain unsoiled, undamaged, and fully effective against microbes. Importantly curtain replacement should always be consistent with the relevant recommended Infection control department processes.

How do we order?

Mactrac Care Antimicrobial Curtains can be ordered online through the Mactrac website. Alternatively, you can contact the team at Mactrac by emailing sales@tetral.co.nz.

What sizes are the curtains available in?

Product	Drop	Half-Size width	Full Size Width
Mactrac Care Antimicrobial Clinical Curtain	2.0m	3.75m	7.5m
Mactrac Care Antimicrobial Hospital Curtain	2.35m	5.5m	7.5m

