

# ADVATEX

BIZ CORPORATES HEALTHWEAR GETS THE ADVANTAGE OF BACTERIA CONTROL

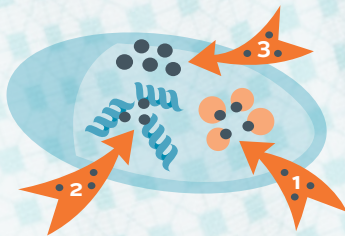
**ADVATEX**  
ADVANCED PROTECTION

**ADVATEX by Biz Corporates** heralds a new era in bacteria control. Designed specifically for Health and Aged Care environments, ADVATEX limits the spread of bacteria from care giver to patient via their workplace apparel.

The technology behind ADVATEX was developed from the long-proven history that the element silver has a bacteriostatic effect. To create ADVATEX, the element Silver has been converted into a highly efficient, microscopic Silver Compound which is then applied to our textiles via a unique coating procedure. Once coated, the ADVATEX fabric is able to not only resist bacteria, but actively eliminate it.

## How does ADVATEX work

Micro-structured titanium dioxide is the carrier for the anti-bacterially active component silver chloride. In the presence of moisture (e.g. sweat) silver ions with anti-bacterial effect are set free.



## Effect Mechanism

- 1 Blocking oxygen – transporting enzymes
- 2 Inactivating Sulphur-containing proteins of the bacteria
- 3 Locking the cell membrane

Note: This is not approved by the USA EPA and hence not valid for the USA.

## Absolute Product Safety

Cytotoxicity test shows silver ion technology has no influence on the natural balance of the skin. The fresh effect develops in the textile, leaving the skin unaffected and fully functional.

## Environment Care

ADVATEX for effectiveness only requires using low temperature wash using less energy and preserving CO2 balance. The active silver ingredient cannot be washed out of the textile. Added benefit of using ADVATEX is the washing machine stays clean.

ADVATEX combines the easy care benefits, style and comfort you'd expect from Biz Corporates with unbeatable bacterial control.



INFECTION  
CONTROL



EASY  
CARE

## The range of 8 bacteria tested for the ADVATEX range is as follows:

- Staphylococcus aureus
- Methicillin Resistant Staphylococcus aureus (MRSA)
- Escherichia coli (Ecoli)
- Klebsiella pneumonia
- Listeria monocytogenes
- Enterobacter aerogenes
- Pseudomonas aeruginosa
- Corynebacterium xerosis

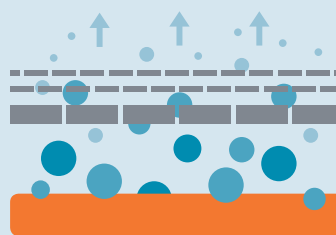
ADVATEX will control the above bacteria strains with an effectiveness of between 80% and 99%. Textiles are tested at 40°C across 40+ washes, knitwear is tested at 40°C across 30+ washes. Bacterial control, as described above, for the life of the garment can be extended by using an ADVATEX Booster additive.

ADVATEX also includes the application of an 'easy care' technology to cellulosic fibre garments.

# ADVATEXCOOL

**ADVATEXCOOL by Biz Corporates** introduces multi-functionality within its Health and Aged Care range with the addition of **Optimum Cool**, maximizing the absorption of moisture from the skin creating a 'body cool' environment, whilst providing anti-bacterial function.

Styles marked **ADVATEXCOOL** have the Optimum Cool functionality built into the fibres of the garment.



- Evaporation and Ambient Air
- Synthetic Microfibre < 1.0 dtex with stronger capillary effect on the outside
- Standard Titre Synthetic Fibre On the fabric inside worn next the body
- Water Vapour from Skin
- Skin Surface