

IMAGINE HOW YOU  
CAN PERFORM  
WITH DEVAN'S

# BI-OME

## Odour control technology

### MICROBIAL GROWTH

Textiles are prone to microbial growth due to the abundance of sweat, moisture, humidity, warmth, dirt, dead skin cells or fibres. This often results in bad odours and can even pose health risks.

BI-OME® is a permanent, non-harmful odour control technology which guarantees an optimal freshness and hygiene for all kinds of textiles, from socks & underwear to mattresses & pillows and even carpets & curtains.



### HOW IT WORKS

BI-OME® works in three steps:

1. First, the microorganisms are attracted by the fabric coating.
2. Once in contact with the coating, the cell membrane is punctured.
3. This deactivates the microorganism, preventing growth and proliferation.



### NOT SILVER BASED

BI-OME® is different from silver based products because:

- Silver is an antimicrobial product that migrates, also to the environment.
- Silver acts by strongly binding to critical biological molecules, like proteins, DNA and RNA and disrupting their functions.
- Silver can disrupt the recycling of fabrics (the product remains in the fabric).

### SAFETY PROFILE

- No migration to the skin, nor the environment
- Excellent skin tolerance (OECD 406, HRIPT)
- Free of heavy metals, silver, TBT, formaldehyde, triclosan, arsenic
- Non toxic to waste water bacteria (activated sludge)
- Biodegradable (OECD 209/302B)
- BPR and EPA registered

### APPLICATIONS

Apparel, Sportswear, Workwear, Socks, Underwear, Bedding, Towels, Carpets, Curtains, Public transport, ...

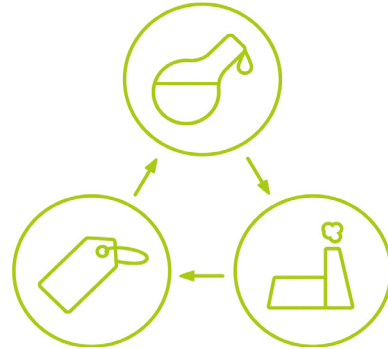
# BI-OME

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### SUPPORT & SERVICE

Our technical staff and agents offer support through the installation of the BI-OME® processes in mills all over the world. As soon as the production is up and running, our in-house labs will check if the product quality meets all required specifications.

To top it off, Devan helps you to introduce this technology to the market. We offer ready-to-use and inspiring marketing tools. In addition we assist you to ensure that claims on your packaging meet the legal requirements.



### APPLICATION METHODS

- Spraying on the fibre/fabric
- As an additive in the last rinsing bath
- Padding on the fabric
- Through foam processes

### ADVANTAGES

- Durable, broad spectrum of activity against microorganisms
- Functionality remains for the product lifetime
- No migration to the skin, nor environment
- Prevents odour formation
- Outstanding safety and registration profile
- Multiple application methods
- High wash durability

### 3 MULTIFUNCTIONAL VARIATIONS

- BI-OME® Quick-dry (+ moisture management)
- BI-OME® Stretch (+ stretch recovery)
- BI-OME® AV (+ antiviral activity)



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