

BIONI[®] HEALTHCARE SOLUTIONS

SUPERIOR COATING SOLUTIONS FOR THE HEALTHCARE ENVIRONMENT



BIONI® HEALTHCARE SOLUTIONS

THE NEW ELEMENT IN YOUR HYGIENE CONCEPT

People's health is the top priority in hospitals, clinics, doctors' surgeries and care homes. At the same time, many health institutions have been transformed into modern business companies in recent years.

As well as economic aspects, increasing competition is strengthening the focus on quality criteria, including sustainable compliance with hygiene standards and the public perception. Despite responsible implementation of existing hygiene concepts, the risk of a bacterial infection while in hospital has hardly declined in many places.

At the same time, many patients are increasingly concerned about becoming infected with dangerous bacteria during a stay in hospital. This consideration is gaining in significance when patients are faced with choosing the "right" hospital for impending treatment.

BIONI's programme of perfectly coordinated coatings is especially designed for the exacting requirements in the health sector.



BIONI offers a range of specifications and solutions, developed and patented in collaboration with the **Fraunhofer Institute (ICT)** to suit different areas of application, levels of anticipated use and the sensitivity of the area. They set new standards of hygiene, health, sustainability, cost effectiveness and aesthetics:

BIONI® HEALTHCARE SOLUTIONS

+ HYGIENE



BIONI coatings promote compliance with hygiene standards by preventing bacteria from spreading on coated surfaces.

+ HEALTH



BIONI coatings meet the most exacting demands on indoor air quality since they are free of solvents and softeners and have very low levels of VOC.

+ SUSTAIN- ABILITY



BIONI coatings are produced without using poisonous and environmentally damaging materials. They are very hard-wearing and durable, resulting in low re-painting and maintenance costs.

+ COST EFFEC- TIVENESS



BIONI offers individual solutions and qualities depending on the area of application. Our coatings are odour-free, ensuring that the rooms can be used again rapidly, minimising downtimes.

+ AESTHETICS



Colour is of great importance in hospitals, clinics and doctors' surgeries, particularly in psychological terms. BIONI coatings combine functionality with aesthetics, allowing almost an unrestricted range of colour designs.

BIONI HYGIENIC®

Specially formulated and patented, low-VOC Interior coating for hygiene-sensitive areas



durable resistance against bacteria and mildew

resistant against disinfectants

low VOC

For all areas in healthcare facilities, especially hygiene sensitive and highly sensitive areas as well as kitchen areas and moist rooms.

- prevents the spread of bacteria on the coating surface (e.g. MRSA >99,99% reduction on the coating)
- exceeds indoor air quality regulations (TUV certified)
- recommended for medical environments (certificate)
- excellent washability (according to DIN EN 13300)
- environmentally friendly, no added preservatives
- free of solvents and softeners
- non-flammable (according to DIN 4102-1)
- water vapour permeable
- odour-free (newly treated rooms can quickly be reused)



Emissionsgeprüft
www.tuv.com
ID: 000007022

WITH PATENTED
SILVER
SYSTEM-TECHNOLOGY



BIONI NATURE®

Patented low-VOC Interior coating with long-term protection against mould and mildew



durable mould and mildew protection

exceeds indoor air quality regulations

low VOC

BIONI COMFORT®

Multi-purpose, high-quality interior coating with multi-functional properties



superior durability

universally applicable

beneficial for indoor air quality & comfort



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ID: 000007022

WITH PATENTED
SILVER
SYSTEM-TECHNOLOGY



For moist rooms, common areas, staff rooms and administration.

- recommended for medical environments (certificate)
- excellent washability
- free of solvents and softeners
- water vapour permeable
- environmentally friendly, no added preservatives
- non-flammable (according to DIN 4102-1)
- odour-free

For common areas, staff rooms, administration, corridors and stairwells.

- low VOC
- excellent washability
- superior hiding
- free of solvents and softeners

- non-flammable (according to DIN 4102-1)
- water vapour permeable
- odour-free

TESTED QUALITY

BIONI interior coatings have been examined and tested by independent institutes and test laboratories for aspects relevant to hygiene.

ASSESSMENT

Compared to their competitors, BIONI coatings show maximum protective function (up to 5 log levels).

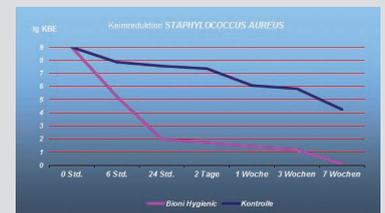
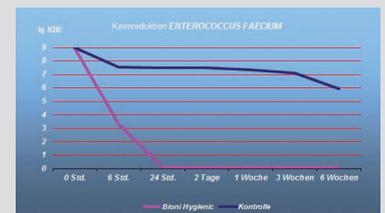
BIONI coatings are resistant to colonisation by both **gram-positive** and **gram-negative** bacteria.

BIONI coatings retain their protective function even **after repeated disinfection** of the surface.

FINDINGS IN FIGURES

Bacteria-inhibiting coating surface properties:

- MRSA (24h) after repeated disinfection: **>99,99%**
- Staphylococcus aureus: **99,999%**
- Enterococcus faecium: **99,999%**
- E. coli (96h): **not detectable**
- Pseudomonas aeruginosa: (96h): **not detectable**
- Listeria monocytogenes (96h): **not detectable**



Based on test results by the Institute for Hospital Hygiene and Infection Control (IKI) Giessen

Areas of application & products

Hospitals - medical centres - care homes -
doctor's surgeries - rehabilitation facilities -
clean rooms and others



CATEGORY	ROOM/ACTIVITY	BIONI HYGIENIC®	BIONI NATURE®	BIONI COMFORT®
1 highly sensitive areas	<ul style="list-style-type: none"> Operating theatres Intensive care units Surgical washrooms Emergency ward Trauma rooms Aseptic rooms 	●		
2 Kitchen areas	<ul style="list-style-type: none"> Kitchens and food preparation Cold stores and store rooms Catering areas 	●		
3 sensitive areas	<ul style="list-style-type: none"> Pre-operative areas and recovery rooms Sterilising rooms Laboratories Functional diagnostics Treatment rooms Patient changing rooms Utility & disposal areas 	●		
4 Moist rooms	<ul style="list-style-type: none"> Public washrooms Bathrooms Laundry 	●	○	
5 Common areas	<ul style="list-style-type: none"> Wards Care rooms Waiting rooms and recreation rooms Reception areas 	●	○	○
6 Staff areas Administration Technical areas Storage areas	<ul style="list-style-type: none"> Staff rooms Offices Corridors Stairwells Technical rooms Store rooms 	●	●	●

● recommended ○ suitable

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