



# ***BioniHygienic***<sup>®</sup>

**Intelligent interior paint based upon Nanotechnology with outstanding durable anti-microbial properties**

**Bioni Hygienic** represents a new generation of intelligent coatings in the paint market and has been developed exclusively for hospitals together with scientists of the renowned Fraunhofer Institute for Chemical Technology. It features:

- **durable anti-microbial effect by Nano-Silver-Technology**
- **proven 5-log (99,999%) reduction of bacteria**
- **raises the level of hygiene in interiors**
- **awarded with the 2008 European Frost & Sullivan Award for Excellence in Research**
- **environmentally friendly**



*based upon  
Nanotechnology*



  
**Fraunhofer** Institut  
Chemische Technologie

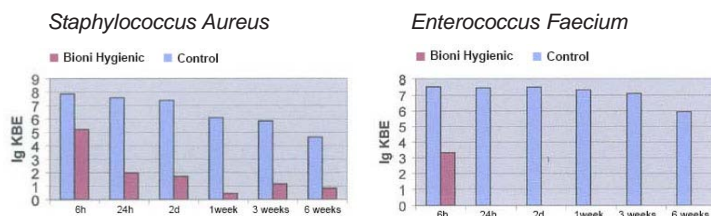


- Freiwillige Prüfung
- Emissionsgeprüft



## 99,999% safety - Invisible silver defeats bacteria

**Bioni Hygienic** has been developed exclusively for hospitals and clinics. To improve the level of hygiene in interiors this multi-functional, environmentally friendly paint has been modified with a Nano-Silver-Complex containing invisible silver particles with an average diameter of 13 Nano-Metres (13 millionths of a millimetre). Due to this technology **Bioni Hygienic** has a long-term effectiveness against bacteria and achieves a 5-log reduction (99.999%) of the hospital bacteria *Staphylococcus Aureus* and *Enterococcus Faecium* (tested by the Institute for Hospital Hygiene and Infection Control, Giessen):



## Setting new standards for paints in hospitals

Due to the usage of the non-toxic Nano-Silver-Particles **Bioni Hygienic** delivers a permanent antimicrobial surface without contaminating the air inside the building. This fact has been verified by comprehensive tests conducted by the TÜV Product and Environment Test Institute in Cologne. **Bioni Hygienic** is thus able to support the hygiene in hospitals and clinics not just permanently, but also healthfully.



## Properties

- resistant against disinfectants
- low-VOC, odor-free
- free of solvents and softeners
- permeable to water vapour
- non-flammable  
(class A2 according to DIN 4102-1)
- excellent washability  
(class 2 according to DIN EN 13300 )
- superior flow and hiding  
(class 2 according to DIN EN 13300

## Recommended Use

**Bioni Hygienic** is recommended for use in areas where a high degree of hygiene is required such as hospitals, clinics, doctors' surgeries, nursing homes, rehabilitation centres, Food-Industry, canteen kitchens, etc.

- Packaging:** 5.0 and 10.0 lt. pail  
**Finish:** matt  
**Spreading Rate:** 290-350 ml/m<sup>2</sup>  
 (2 coats)  
**Colour:** white and most colours  
**Mixing service:** yes