



nomo Bac[®]

ANTIMICROBIAL SURFACE COATING

HIGH-TECH ANTIMICROBIAL SURFACE COATING WITH AN
EFFECTIVENESS OF > 99.99%,
PERMANENT: 24 HOURS A DAY - AROUND THE CLOCK



BACTERIA AND VIRUSES

Bacteria have a reputation as pathogens. But they do not endanger our health per se. We constantly come into contact with very different bacteria, which our body's own defence system (immune system) has to deal with. Our bodies have adapted to living together with bacteria. They colonize our skin, our mucous membranes and above all our gastrointestinal tract. Many bacteria have meaningful, protective functions. In medicine, viruses are called infectious particles, which can consist of nucleic acids (DNA or RNA), proteins and possibly a viral envelope.

Both bacteria and viruses are known as pathogens. If they enter the bloodstream or if there is, for example, an imbalance in the microorganisms of our intestines, this can lead to diarrhea, severe inflammation or even blood poisoning.

MULTI-RESISTANT GERMS

Due to the negligent use of antibiotics, many bacterial pathogens have already adapted to the former wonder drugs. More and more germs develop resistances, whereby antibiotics become ineffective. Infections with such resistant germs can then assume life-threatening progressions. Two of the most dangerous multi-resistant germs are *Staphylococcus aureus* and *Acinetobacter baumannii*.

PROPERTIES

Physical effectiveness:

NOMOBAC fills, seals and smoothes the pores and cavities of the treated surface without compromising its properties. Many surface pores and cavities are breeding grounds for pathogens; here the pathogens receive their food supply and can multiply uninhibited.

NOMOBAC first deprives the pathogens of their expansion possibilities by minimizing the food options.

Biochemical effectiveness:

In addition, **NOMOBAC** contains an antimicrobial, non-leaching, biocidal combination of active ingredients, which is immediately activated in case of contamination.

Thus **NOMOBAC** deactivates viruses, gram positive and negative bacteria and spores. Through the active and passive effect of **NOMOBAC**, a deactivation of bacteria, viruses and spores can be achieved in the long term as well as a further spread of pathogens prevented.

WHAT IS NOMOBAC?

NOMOBAC is a functional surface coating that is unique in its nature and effectiveness.

It can be applied to surfaces in a simple wiping or spraying process. The coated surfaces are covered for up to 12 months with a long-lasting protective shield that constantly produces an antibacterial effect around the clock and thus leads to a bacteria reduction of > 99.99%.

The effectiveness of **NOMOBAC** has been successfully tested by an independent German laboratory according to the ISO 22196 standard, especially against the 6 resistant germs classified by the WHO.

Below are the 6 resistant germs:

- *Staphylococcus epidermidis*
- *Staphylococcus aureus*
- *Escherichia coli*
- *Pseudomonas aeruginosa*
- *Klebsiella pneumoniae*
- *Acinetobacter baumannii*

NOMOBAC is water-based, odourless and colourless, scratch-resistant (approx. 4.5 - 5H), biocompatible with human skin according to ISO 10993 and is non-leaching when cured.

There are no risks for humans and animals. **NOMOBAC** can be applied to almost all non-silicone based materials such as metals, wood, hard plastic, glass & stone. It is chemically resistant to non-abrasive cleaning agents and furthermore allows the use of usual wiping and disinfecting measures.

NEW TECHNOLOGY

NOMOBAC reduces germs by >99.99% (antimicrobial) based on ISO 22196

The measured reduction of germs corresponds to a log 4 reduction when using **NOMOBAC**.

Antimicrobial effectiveness is already achieved with a reduction of log 3.



FUNCTIONAL SURFACE COATING

APPLICATION AREAS

Why NOMOBAC?

In everyday life we are exposed to many viruses and bacteria. Special care is needed in public places such as toilets, public transportation, fitness studios, hotels and touch-screens.

Viruses, bacteria and multiresistant germs occur in large concentrations especially in hospitals, doctors' practices, therapeutic practices, but also in other places where many people are frequent, such as schools, kindergartens, office buildings, swimming pools and saunas.

But not only in public, but also in your own four walls some hidden germ traps can be found. On door handles, for example, pathogens are particularly likely to accumulate.

It is also essential that for example clean rooms, laboratories, surgery rooms and quarantined areas must be sterile to prevent the spread and outbreak of infectious diseases.

NOMOBAC can be applied in all of the above mentioned areas and with its unique effect, once applied, it ensures a permanent germ reduction of >99.99%.

Thus, even between cleaning cycles, newly emerging germs that get onto substrates treated with **NOMOBAC** will be immediately eliminated.

THINK **GREEN!**

Due to the unique technology, only a very small amount of biocides are required, which are also non-leaching in order to have a permanent and long-term effect on the applied areas.

Thus **NOMOBAC** contributes to a healthier and sustainable environment through its long-term effect against multi-resistant germs as well as the homeopathic amount of active ingredients.



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