

# nomo Bac<sup>®</sup>

ANTIMICROBIAL SURFACE COATING

## TECHNICAL DATA SHEET

High-tech antimicrobial surface coating with an efficiency of >99.99%.

Permanent: 24 hours a day - around the clock

### Properties

**NOMOBAC** is an antimicrobial functional surface coating based on modified acrylates. To protect the substrates from enhanced and permanent microbial loads, such as: MRSA germs, viruses, spores.

**NOMOBAC** preserves and protects the substrate from the expansion of existing microbes, 24 hours a day, 365 days a year. **NOMOBAC** has been successfully tested by accredited laboratories.

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

It is chemically resistant to non-abrasive cleaning agents and allows the use of conventional wiping and disinfection measures.

### Effectiveness

> 99.99% reduction in pathogenic germs (ISO 22196)

- Staphylococcus epidermis DSM 18857
- Staphylococcus aureus DSM 799/ ATCC6538
- Escherechia coli DSM 1576 / ATCC 8739
- Pseudomonas aeruginosa DSM 939 / ATCC 15442
- Klebsiella pneumoniae DSM 6135
- Acinetobacter baumannii DSM 30008 / ATCC 15308

### Processing

1

#### STEP 1

The surface must be load-bearing, dry and free of oil, grease, dust, dirt and components with a separating effect (such as silicone and PTFE).

2

#### STEP 2

Always stir well before use. **NOMOBAC** can be applied by wiping, rolling, brushing, dipping, airless spraying or painting. Apply **NOMOBAC** evenly. Clean tools or equipment with water immediately after use.

Use up quickly when open.

Recommendation: create a sample surface on the substrate before use.



















### Equipment cleaning

Clean equipment after use with cold water.

FUNCTIONAL  
SURFACE  
COATING

## Technical Data



 <b>Designation:</b> antimicrobial protective varnish	 <b>Density at 20° C:</b> Approximately 1,06g/cm <sup>3</sup>	 <b>Chlorine Resistant:</b> up to 5% chlorine content can be used safely
 <b>Colour:</b> colourless, transparent	 <b>Solids:</b> about 40%	 <b>Wet abrasion:</b> Class 1
 <b>Odour:</b> neutral	 <b>Viscosity:</b> liquid, watery	 <b>Packaging:</b> 1L in aluminium bottle / 1,000L in IBC container
 <b>Hardness:</b> about 4,5 - 5 H	 <b>Processing temperature:</b> At least +5° C up to +35° C	 <b>Storage:</b> Storage at temperatures between + 5 °C and + 35 °C
 <b>Yellowing:</b> visible yellowing of the surface excluded	 <b>Duration temp. resistance:</b> up to 160° C (for a short time, approx. 1 hour, up to 200°C possible)	 <b>Durability:</b> 12 months in closed condition
 <b>UV resistance:</b> UV-resistant	 <b>Chemical resistance:</b> Resistant to common cleaning agents and disinfectants used in the wiping process	 <b>Productivity:</b> 1 L approx. 100 square meters on smooth surfaces, deviations are possible with absorbent surfaces

**Touch Dry:**  
after about 30 minutes

**Meshing:**  
after 24 hours

**Chemical curing:**  
after 7 days

## Protection & security

NOMOBAC anti bacterial surface coating is solvent-free.

NOMOBAC is strictly to be used in its original form and according to instructions. It must not be mixed with other liquids or colours, enriched or diluted! After the drying process, the space can be used again without restrictions. Ventilate rooms well!

Remaining material should be sealed air tight in the original container and used within 3 months. After the remaining material has dried out, the container can be disposed of with household waste. Keep material away from children! NOMOBAC is safe for use in inhabited areas.

You are strictly advised to read and comply with the Technical and Safety Data Sheet.

NOMOBAC is free of nanoparticles and silver ions (nanoparticles and silver ions are highly absorbable and toxic for human skin)

This information reflects the current state of development.

Since application and processing is carried out externally and beyond our control, no liabilities can be derived from the application.

Always read labelling and product information before use.

Use biocidal products safely!

## Area of application

Areas with increased microbial contamination characteristics. **NOMOBAC** can be applied to almost all non-silicone-based materials such as stainless steel, non-ferrous metals, aluminum, wood, hard plastics, ceramics, glass, stone and painted surfaces.

**NOMOBAC** is water-based and can be applied in several layers. Materials with high hydrophobic properties and PTFE are explicitly excluded.

## Contact

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