

# FN nano - FN<sup>®</sup>1 BioMax

Functional coating FN<sup>®</sup>1 BioMax was developed with the aim of maximizing the antimicrobial effect and enabling its use as a biocidal agent with a long-term effect (24/7). It provides effective protection against hospital (nosocomial) infections in healthcare facilities, nursing homes, long-term care facilities and other places, where it improves protection against the spread of infections. FN<sup>®</sup>1 BioMax is a composite hybrid biocidal protective coating based on titanium dioxide with an active biocidal substance. The antibacterial effect of the active biocidal substance is supported by the photocatalytic effect, which is activated by the impact of artificial light with a share of the UV spectrum. The FN<sup>®</sup>1 BioMax coating layer is very effective in killing viruses, bacteria and other microorganisms, while reducing the concentration of impurities in the air. As with other FN NANO<sup>®</sup> treated surfaces, microorganisms do not mutate on this surface either.



## Appearance

Pure white protective coating (semi-transparent) based on nano technology, which works on the principle of photo catalysis in combination with a biocidal effect - works in both light and dark (24/7). Transparency 60-65%.

## Applications

It is designed for indoor use only as an effective antibacterial protection for ceilings and walls. Consumption on average 1 l for 3 coats on 10 m<sup>2</sup> of painted surface, depending on the structure and absorbency of the surface.

**INTERIOR:** For brick and plasterboard substrates - creation of self-cleaning nano air purifier. In accordance with the valid legislation, the coating makes it possible to extend the cycle of space painting in medical facilities (according to Decree No. 306/2012 Sb.). To ensure full functionality in interiors, it is necessary to ensure the access of ultraviolet radiation with a minimum intensity of 0.2 W/m<sup>2</sup> to the created FN NANO surface.

Do not apply on a water-repellent (hydrophobic) surface. THE PRODUCT CANNOT BE DILUTED OR MIXED WITH ANY OTHER SUBSTANCE!

It serves as the last protective layer. Rinsing is necessary at least 24 hours after application.



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## Features and Benefits

- Effectively eliminates microorganisms - viruses, bacteria, fungi and spores, including MRSA (Methicillin-resistant golden staphylococcus)
- Significantly reduces the risk of transmitting infectious diseases and infections
- Prevents viruses and bacteria from settling on the walls
- Effective prevention of mustiness, odours and mould
- Removes molecules of allergens and toxic substances
- It works 24/7 when using a photocatalytic and biocidal effect - it cleans the air from microorganisms and organic pollutants
- It works as a quiet, maintenance-free, economical and highly efficient air purifier

It maintains high efficiency for a long time with a guarantee of 5 or 7 years - according to Decree No. 306/2012 Sb.

## Composition

It is a pure water-based composite coating that contains a non-surface-treated photo catalyst, mineral inorganic binders and an active registered biocidal substance. The applied layer of FN<sup>®</sup>1 BioMax coating is inert and completely safe. It does not release any substances into the environment, on the contrary, it removes harmful substances from it.

## Paint activation

At the earliest 24 hours after its application, the coating must be activated by gentle spraying. You can spray, for example, with a hand-held sprayer and with clean plain or distilled water. This will significantly increase its efficiency.

## Packaging and storage

It is usually supplied in 1 l or 5 l packages. Storage for a maximum of 3 years from the date of production at a temperature of 10-25 °C in unopened original packaging. It must be shaken thoroughly or mixed before application. **MUST NOT FREEZE!**

## Safety warning

This product uses chemical biocidal effects and is intended for professional use and is subject to the Biocides Act (324/2016 Sb.). Before application, it is necessary to read the instructions carefully and use it only in the specified way.



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