

## B22 – BIONEUCE – Antibacterial Paint

**DESCRIPTION:**



Water-based paint with active ingredients that provide antibacterial protection, being effective through the whole film's lifetime. The paint is formulated with vinyl copolymers, pigments and fillers of high quality, providing an excellent resistance to wet scrubbing (easy to clean). Additionally, it inhibits the development of fungi, even in favorable environments.

This paint is designed to be applied on interior walls, due to its silky finish and good lacquering properties.

**FEATURES:**

- It inhibits the bacterial growth (up to 99.99%), including pathogenic bacteria (assays conducted by independent laboratories accordingly to ISO 22196 / JIS Z 2801:2000 <sup>a)</sup>).
- It inactivates the deposited bacteria within 48 hours after the paint has been applied.
- Long lasting antibacterial properties. This effect remains unaltered throughout the paint film's lifespan.
- The active ingredient does not leach or wash out.
- Anti-Splashes.
- Silky touch sensation.
- Good lacquering, opacity and whiteness.
- Easy to use and good coverage.
- Good resistance to alkalinity.
- Good resistance to frequent washing and wet scrubbing.

**SPECIFICATIONS:**

- **Density**.....1.450 ± 0.10 (for white color)
- **Viscosity**.....85-115 Ku (25°C)
- **Color**.....White and light colors
- **Finishing**.....Silky
- **% Solids in volume**.....48 ± 5%
- **Dry-to-touch**.....± 1 hour
- **Depth drying**.....± 24 hours
- **Flashpoint**.....non-flammable
- **Content in CIT/MIT**.....< 15 ppm.
- **VOC (volatile organic compound)**...<sup>b)</sup> EU limit value set for this product cat. (A/a) 30 g/l (2010). This product contains a maximum of 30 g/L VOC.

**RECOMMENDED USE:**

This paint is intended to be applied on interior walls whenever a silky finish is pretended. It is suitable to be used on the most varied type of plaster, flat and sand-finish, concrete, cement, stucco, etc. It is important to maintain the surface cleaned to ensure the film's antimicrobial activity. The dirt deposited over time (e.g. grease) leads to the formation of films that allow the microorganisms to grow over them, thus, avoiding the desired antimicrobial effect.

- SURFACE PREPARATION:** For new surfaces, they have to be dry, firm, without any grease, dusts and others contaminants.  
Concerning of repainting, a good brushing of the wall is advised, in order to eliminate old painting remains, or to exfoliate. If the surface presents damaged zones, or even “friable” zones, to apply one coat of “IMPERNEUCE”.
- SURFACE INSULATION:** In order to obtain a better finish and to solve certain existing problems, a good insulation of the surface should be applied. Thus, we recommend:
- One coat of “HYDRONEUCE PRIMER – Water Based Acrylic Multi-Use Primer” – No dilution.
  - One coat of “MULTINEUCE – Water Based Acrylic Multi-Use Primer” – No dilution. Recommended to be applied on surfaces with smoke stains.
- APPLICATION:** The product must be mixed well before being applied.  
The application is performed using a paint-brush, roller or a spray-gun, with 2 to 3 coats properly diluted in a period of 12 to 24 hours.
- DILUTION:** 1<sup>st</sup> Coat.....10%.  
Others.....5% to 10%
- COVERAGE:** Variable according to the surface absorption and the application conditions.  
On average and per coat: 12 to 16 m<sup>2</sup>/liter.
- CLEAN-UP:** With water right after the application.
- WARNING:** This product does not present risks for health, it is advised to keep out of reach of children.  
For further information, the reading of our product **Safety Data Sheet** is essential.
- RECOMMENDATIONS:** Application temperature is between 5°C and 35°C, relative humidity inferior to 80%, the surface temperature between 2 and 3°C above the dew point.
- STORAGE AND PACKAGING:** Packages should be kept properly closed, in good environmental conditions of temperature and humidity, and spend the product on the chronological order of supply.  
Use it, with preference, up to 1 year after manufacturing date. It can also be applied after this date, as long as a good homogenization of the product is verified.  
It is supplied in packages of 1lt, 5lt and 15 liters.

Note: a) Antimicrobial activity assays were conducted by independent laboratories (ISO 22196 / JIS Z 2801:2000). The outcomes revealed resistance against the most common pathogenic bacteria including Methicillin Resistant *Staphylococcus aureus* (MRSA), *Legionella pneumophila*, *Salmonella typhimurium*, *Escherichia coli* and *Aspergillus niger*. b) The value of the VOC previously mentioned concerns ready-to-use products, according to the technical specifications that we recommend. We do not take any responsibility for other mixtures made to the product. We draw special attention to all our agents for the responsibility that they take by not respecting what the Directive 2004/42/CE establishes.