

NO BAC

Continuous anti-bacterial protection



HEALTH SECTOR



COLD ROOMS



PUBLIC AREAS

The NO BAC laminate developed by Brianza Plastica allows **eliminating almost all traces of bacteria** present on a surface, preventing their subsequent colonisation and providing an additional level of protection in any environment.

The NO BAC technology is permanently integrated on the surface of the laminate, right from the production phase, and is evenly distributed across the entire surface, actively protecting the product throughout its life cycle.

This innovative product has numerous fields of application: food storage, cleanrooms, laboratories, refrigerated containers for transportation and, in general, all **environments with high hygiene requirements**: schools, kindergartens, health facilities, kitchens, bathrooms, spas, gyms and shopping centres.

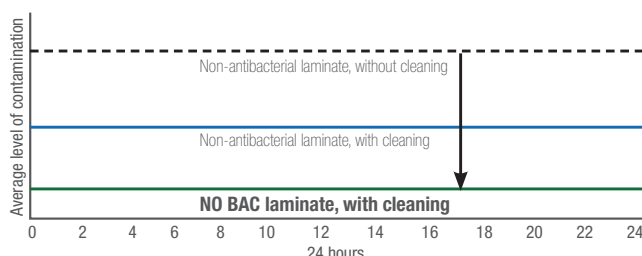
ELYPLAN[®]

ELYCOLD[®]



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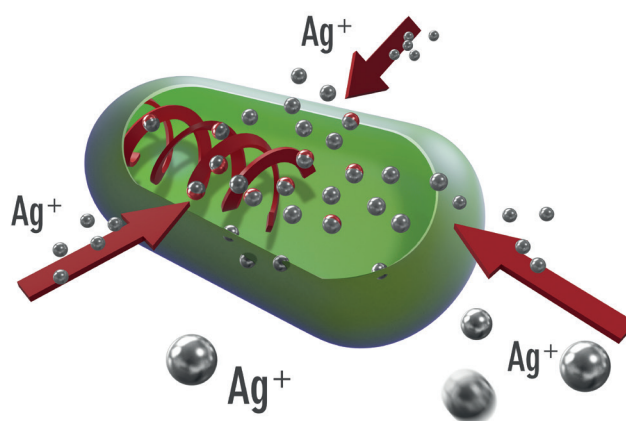
The graph shows:

- **High levels of contamination** (dotted line: non-antibacterial laminate WITHOUT cleaning or disinfection), averaged over 24 hours
- **Average levels of contamination** (continuous blue line: non-antibacterial laminate WITH cleaning or disinfection), averaged over 24 hours
- **Low levels of contamination** (continuous green line: "NO BAC" antibacterial laminate WITH cleaning or disinfection), averaged over 24 hours

The sample treated with NO BAC has a lower level of surface contamination over a 24-hour period when compared to non-treated samples, clean and disinfected as well as unclean and not disinfected.

The antibacterial technology is based on silver, known since ancient times for its antibacterial and antimicrobial properties and widely used to prevent bacterial proliferation in sanitary environments and environments with high hygiene requirements.

The silver ions inhibit the reproduction of bacteria, penetrating through the surface of the cell, attacking the DNA and preventing it from reproducing. **99.9% of bacteria are eliminated over 24 hours (ISO 22196:2011), constantly for 365 days a year.**



ESCHERICHIA COLI



Escherichia is a gram-negative, rod-shaped bacterium that is commonly found in the human intestine. It can cause urinary tract infections, intestinal disorders (gastroenteritis) and neonatal meningitis.

STAPHYLOCOCCUS AUREUS



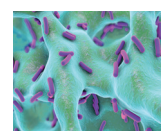
Staphylococcus aureus is a gram-positive, round-shaped bacterium that appears in the form of irregular microscopic clusters. It can cause infections, skin lesions such as boils and sties, but also more serious infections such as pneumonia and urinary tract infections.

LEGIONELLA PNEUMOPHILA



Legionella pneumophila is a thin, gram-negative bacterium of the genus Legionella, and causes legionellosis or Legionnaires disease, an infection that affects the respiratory system. It is the third highest cause of community-acquired pneumonia.

PSEUDOMONAS AERUGINOSA



Pseudomonas aeruginosa is a small, gram-negative, ubiquitous and very virulent bacillus able to withstand the action of diverse antibiotics. It is particularly dangerous for immunodepressed patients and is the cause of skin infections, urinary tract infections, ear and eye infections and endocarditis.



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