

Bacoban[®]

LONG-TERM SURFACE DISINFECTION

Not 90 days, not 30 days...but the only product with up to 10 days independently proven and certified protection against viruses, bacteria and germs.



Bacoban Benefits

Bacoban® is a unique and patented nano disinfectant surface spray which prolongs the surface disinfection, giving up to 10 days protection against Viruses, Bacteria & Germs. This doesn't mean clean less frequently, but does mean you are 100% safe in between each clean, unlike any other product.

Suitable for:

- Warehouses
- Offices
- Packing lines and equipment
- Forklifts
- Construction machinery
- Leisure centres and Gyms
- Care homes
- NHS
- HGVs and other vehicle fleets
- Churches
- Schools and nurseries
- Shopping centres
- Restaurants
- Dentists
- Chiropractors and Osteopaths
- Food preparation surfaces and equipment
- Public Transport
- Veterinary
- Aerospace
- Retail stores
- Public spaces
- Public Services

What is it?

- Cleans, Disinfects, Protects up to 10 days and makes surfaces easier to clean
- Instantly kills and eliminates Viruses, Bacteria and Fungi, including Coronaviruses
- Unique and patented nano slow release biocidal formula making any surface Anti-Microbial
- Reduces further cleaning times by up to 50% with its Hydrophobic properties
- Proven formula - Full certification available

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**Making Your Workplace
Covid Secure**

Bacoban in Detail

Humans have been creating disinfectants for millennia and of course some are more effective than others; for example we moved from vinegar to bleach (Sodium hypochlorite) both of which have served mankind very well. Over recent years we have been using alcohol, iodine and hydrogen peroxide to disinfect surfaces but the problem with these disinfectants is that they are good at disinfecting, at the point when they are wiped over a surface, but they offer no residual benefits. For example, imagine the process of disinfecting a hospital room. A person starts cleaning the surfaces on the left hand side of the room, by the time that they have reached the right hand side of the room the freshly cleaned surfaces may have been re-colonised by pathogens. This is clearly a completely unsatisfactory process. The healthcare sector needed to find a solution to this problem and the solution lay in creating a disinfectant which combined sterilisation with long term residual protection.

WHY A DISINFECTANT WITH LONG-TERM EFFECT?

With Bacoban®, the primary objective was to develop a surface disinfectant that not only disinfects but also guarantees a long-lasting effect until the next disinfection. What an improvement considering the fact that for decades the innovative power in the field of disinfectants was rather moderate! The fact that the project now came up with an effect that lasts up to 240 hours, which is a total of 10 days, was a complete surprise not only to us, but to all independent test labs and health facilities engaged in testing Bacoban®.

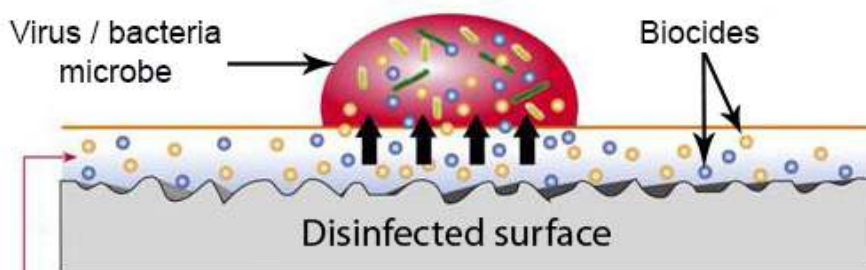
The consequence of these unique research results is not to change hygiene plans automatically and to perform disinfection only every 5 or 10 days, but rather to utilise this advantage to the benefit of patients, staff members and to improve infection control. But it actually does not make much difference whether the lasting disinfecting effect of Bacoban® against bacteria, fungi and viruses covers 3 or 10 days. The real benefit of such a disinfectant, if integrated into established disinfection plans, is that it ensures a significantly higher safety against the spreading of germs and viruses, thus reducing re-infection. It effectively closes the hygiene gap! This is exactly what Bacoban® was developed for: to improve safety between the individual disinfecting steps and to give people a new tool in the control of germs and viruses.

HOW DOES BACOBAN® WORK?

Conventional disinfectants are effective immediately – but only for a short period. Micro-organisms are only killed during the few minutes of the duration of the active period. After that, when the disinfectant has evaporated, the area treated is again subjected to microbial strains. Until the next disinfection, a hygiene gap results, in which there can be a repeated settlement by micro-organisms.

The long-term effect of Bacoban® resolves the hygiene gap

Bacoban® establishes an ultra-thin film with a lasting effect. The technology used here is the sol-gel process that develops a solid gel phase on the basis of a liquid phase. The biocides used to kill germs are embedded in the porous structure of the developing sponge-like sol-gel and are washed out again when coming into contact with water (bacteria, enveloped viruses and fungi are always surrounded by a water shell).



Bacoban in Detail

EFFECTIVITY

Results according to ASTM E 2180: the assessment was done in comparison of an untreated ceramic test surface with one treated with Bacoban®.

	3 Days	5 Days	10 Days
Escherichia coli	> 99,997 %	> 99,994 %	> 99,996 %
Pseudomonas aeruginosa	> 99,996 %	> 99,995 %	> 99,997 %
Staphylococcus aureus	> 99,997 %	> 99,996 %	> 99,995 %
Candida albicans	> 99,997 %	> 99,992 %	> 99,997 %
Aspergillus niger	> 99,995 %	> 99,992 %	> 99,837 %

Time between applications with Bacoban and the depositing of the micro-organism on the surface%: Reduction after depositing micro-organism on the surface