

FAQs

Antimicrobial - Removable Clear Adhesive Film

How effective is it against coronavirus?

Samples exhibit inhibitory effect against bovine coronavirus. Approximately 99.94% of inhibitory efficiency against virus was detected at 30 minutes; 99.99% of self-disinfection was observed when the exposure time is more than 4 hrs. (Self-disinfectant means that the substance itself has the ability to suppress pathogenic bacteria without the need for disinfectants or disinfection. Findings are compared to non-antibacterial treated materials)

How effective is it against bacteria?

Against Staphylococcus aureus ATCC 6538P and Escherichia coli ATCC 8739 - 99.6% effective in 20 minutes, 99.99% effective in 24 hrs.

Is it effective in low humidity or high temperature environments?

This product works in a wide range of environments, below freezing to above boiling, where many other films only work in narrow ranges of temperature and humidity.

How long does the protection last?

The film has antimicrobial effectiveness until physical damage to film. As long as the film has not worn through, it is effective.

How often should it be changed out?

The adhesive on the film is removable up to 1 year from cleaned smooth surface with no residue remaining. It has a 1 year shelf life stored at 70 °F and 50% relative humidity. Unless the film has worn through from use, it should be effective for a full year.

How should it be cleaned?

Cleaning with any conventional cleaning products and rubbing alcohol will not damage the product. Typically over-the-counter cleaners and general purpose commercial cleaners will not damage the product. Disinfectants are not necessary on the film as it has its own disinfecting properties.

Are there health risks for exposure?

There is extremely low risk to using the product. Short term exposure: In case of direct contact with adhesive layer, allergy may occur. Long term effects: In case of direct contact with adhesive layer, allergy may occur.

Can it be applied to curved surfaces?

The film is very flexible but not pliable, so it can be applied to curved surfaces like cylinders, but not spherical surfaces like doorknobs.



IX. Final conclusions on the requested sample (antibacterial film)

- 1. Anti-microbial film samples exhibit inhibitory effect against bovine coronavirus.**
- 2. For the anti-microbial film, 4.0 (99.99%) of self-disinfection was observed when the exposure time is more than 4 hr.**

*** Self-disinfectant means that the substance itself has the ability to suppress pathogenic bacteria without the need for disinfectants or disinfection.**

****4.0 means that it has 10,000 times the sterilization power of the coronavirus.**

(Compared to non-antibacterial treated materials)

Approximately 99.94% of inhibitory efficiency against virus was detected at 30 minutes.

99.99% of inhibitory efficiency against virus was detected at 4hr

