

ANTI BACTERIAL VS ANTI MICROBIAL

Learn The Key Differences, And What It
Means For Your Business

WHAT'S THE DIFFERENCE BETWEEN THE TWO?

The primary difference being the types of microorganisms they act upon. While antimicrobial substances can work against a broad spectrum of microbes (bacteria, mold, mildew, algae, and viruses), antibacterial substances are only effective against bacteria.

DO ANTIMICROBIALS KILL BACTERIA?

Yes, antimicrobial technologies can disrupt the life processes of microbes, including bacteria. When bacteria meet a surface treated with antimicrobial technology, the antimicrobial will damage the cell's protein, membrane, DNA, and internal systems using a multi-modal attack, causing it to die.

DOES ANTIMICROBIAL ALSO MEAN ANTI-FUNGAL?

Antimicrobial technologies work against microbes and can have anti-fungal and antibacterial properties. The technology will determine if it is antibacterial, anti-fungal, or both.



IS ANTIMICROBIAL BETTER THAN ANTIBACTERIAL?

Antimicrobial technologies are effective against many bacteria and/or fungi. However, an antibacterial solution might be better if fungal activity is not a concern. Choosing either depends on the end-use environment and specific goals a company has for their antimicrobial product. It's essential to work with a technical team who can make recommendations that specifically target certain organisms based on your industry and how the final product will be used. Kleenclad® utilizes test methods that directly apply to specific end uses so product developers don't end up with technologies irrelevant to the microorganisms in their industries.



ANTIBACTERIAL TECHNOLOGIES:

Antibacterial technologies are effective against a broad spectrum of bacteria, including E. coli and S. aureus.* These formulations are best utilized in high-touch, high traffic environments where cleanliness is a concern.

ANTI-FUNGAL TECHNOLOGIES:

Anti-fungal technologies reduce the presence of fungi like mold and mildew. These formulations are best utilized in moisture-prone environments, like outdoor living spaces, foams bath and laundry rooms.

ANTIMICROBIAL TECHNOLOGIES:

Antimicrobial technologies minimize the presence of bacteria, mold, and/or fungi.* Unlike antibacterial agents, antimicrobial substances can inhibit the growth of different microorganisms on surfaces. This makes them perfect for cleanliness-critical environments such as schools, hospitals and commercial kitchens.

IDENTIFYING THE BEST FOR YOUR BUSINESS NEEDS

Whether you want your product to be antibacterial, anti fungal, or both, Kleenclad® will be able to assist with a solution that offers suitable antimicrobial properties for your product type. Kleenclad® utilizes built-in antimicrobial technologies to help keep products cleaner, fresher and more durable. They can be built into products across industries including Healthcare, Commercial Kitchens, Public Spaces, Food processing and Clean Rooms.