

KLEENCLAD™ ANTIMICROBIAL WALL CLADDING

Myth 1: Antimicrobial wall cladding is not as effective as traditional cleaning.

Unlike antimicrobial wall cladding, cleaning is a short-term and temporary measure which requires regularity and exceptional levels of attention to detail. Human error, time restraints and budget cuts can all pose a threat to the level of hygiene upheld by traditional cleaning. After cleaning, surfaces are not protected and microbes are free to return and multiply until the surface is next cleaned.



Unlike unprotected surfaces, antimicrobial wall cladding technology works to kill microbes and prevent colonisation 24/7. Kleenclad™ is not a replacement for cleaning. Combine traditional cleaning, good hand-washing practice and antimicrobial wall cladding and you have a superior hygienic space.

Myth 2: Antimicrobial wall cladding takes hours to work

Antimicrobial-protected surfaces work to fight microbes all the time! Laboratory tests have proved from the time of contamination it takes only 15 minutes to kill 80% of microbes and by two hours 99.9% have been killed.



Compare this to unprotected surfaces where there is no microbe-fighting properties; bacteria will remain on the surface until the next time it is thoroughly cleaned which can often be only once a day.

Myth 3: Antimicrobial wall cladding does not work in an everyday environment. It needs moisture, high temperature and humidity to work

This myth surfaced because antimicrobial laboratory tests are carried out in optimal conditions for bacterial growth, such as a moisture-rich and humid environment. Our antimicrobial protection proved effective in this ultimate test against microbes. To claim it's ineffective in sub-optimal conditions for bacteria growth would be erroneous. Antimicrobial technology requires the most minimal amount of moisture to perform and this is provided by the moisture in the air we breathe.



Myth 4: Antimicrobial wall cladding isn't necessary as bacteria does not grow on walls and walls are at low-risk of contamination

Bacteria can survive in even the most inhospitable of places. Microbes have even been proved to survive the vacuum of space. Once bacteria has contaminated a surface, it will begin to multiply and wait to be transferred to another, more hospitable surface. Examples include a hospital patient walking to the toilet and steadying themselves against a wall, a restaurant waitress entering a



kitchen and leaning against the wall waiting for food to be prepared, a mop used to clean a dirty floor then leant up against a wall. The purpose of Kleenclad™ is to provide a fully hygienic environment in which microbes can't multiply or spread for the protection of patients, staff and visitors.

Myth 5: Overuse of antimicrobial wall cladding causes resistance to microbes

There is no data to suggest resistance to antimicrobial silver-ion technology present in Kleenclad™. This myth has developed from the news about resistance to antibiotic overuse (antibiotics are a type of antimicrobial).



There have also been recent studies suggesting microbe-resistance to traditional cleaning products. Antimicrobial silver-ion technology present in Kleenclad™ is shows continued and consistent performance against bacteria. Unlike antibiotics which have a singular mode of action against microbes, silver has a multi-modal action that works in different ways to fight bacteria simultaneously. Through regular and ongoing testing we repeatedly prove Kleenclad™ is effective against hard-to-kill microbes like E.Coli and MRSA.

Myth 6. Antimicrobial wall cladding damages human health and the environment



The silver ions present in Kleenclad™ cannot leach or actively leave the material, therefore making it impossible to negatively affect human health or the environment. If it was possible for the silver to escape, a human or animal would have to consume a huge quantity over an extended period for it to make them ill.

What's more, the antimicrobial properties last the lifetime of the product so do not need replacing. It also helps to prolong the lifespan of the material and stop degradation. Therefore, Kleenclad™ has a positive effect on the environment by reducing disposal of material to landfill.

Myth 7. Antimicrobial is not proven or tested



Our antimicrobial silver-ion technology undertakes rigorous and regular testing to prove it continues to fight microbes effectively. These include standard antimicrobial tests such as MOD ISO 22196. It is important to also point out that the use of antimicrobials and the inclusion of chemicals such as silver are all controlled by laws, regulatory bodies and advertising standard agencies which we must adhere to.

Myth 8. Non-antimicrobial wall cladding is just as good as Kleenclad™



While standard PVC or metal cladding sheets with antimicrobial paint may have bacteria-fighting properties, this is located on the surface only. Scratches and chips will harbour bacteria and allow it to both multiply and be transferred to other surfaces, therefore spreading bacteria and compromising hygiene.

Kleenclad™ antimicrobial silver-ion technology using Polygiene BioMaster™ permeates all the way through the material to provide protection throughout the lifespan of the product. Kleenclad™ is a superior product to create an ultimate hygiene space

Myth 9. Difficult to identify original to a duplicate Kleenclad™ sheet after cladding



There are other inferior quality PVC sheets which try to mimic Kleenclad™ in their looks. But the properties differ greatly as Kleenclad™ uses Polygiene BioMaster™ technology for their silver ions being impregnated into the PVC sheets. Due to inferior quality sheets coming onto the market, Kleenclad™ has come up with VERIMASTER which can differentiate the original to the duplicate sheets. The Verimaster is used after every installation to check the authenticity of every sheet used before handing over.

Myth 10. Warranty of 15 years is not possible



The Polygiene BioMaster™ silver ions technology are not just coated on the sheet, but they are impregnated during the manufacture of the sheets in their specialized ultra clean controlled factory in UK. This provides the confidence to offer the 15year manufacturer's warranty for the Kleenclad™ sheets.

Myth 11: Kleenclad™ can be used only in the healthcare industry



Kleenclad™ wall cladding offers protection against all microorganisms which include bacteria, virus and fungus. They are used in non-healthcare industry like hospitality industry (kitchen, restaurant, wash rooms, etc), schools (bathing rooms, kitchens, dining areas, etc), Gymnasiums, pharmaceutical industry, Care home and elderly living, etc.

In fact, they can be used in any area where hygiene and cleanliness is required to maintain a clean surrounding.