

# BIOCARBON LAMINATES

• BREATHING SUSTAINABILITY •



Anti-Bacterial and  
Anti-Microbial Protection

ANTI-BACTERIAL AND ANTI-MICROBIAL PROTECTION  
FOR HYGIENE-SENSITIVE APPLICATIONS

## CARBON NEUTRAL HIGH PRESSURE AND SOLID GRADE LAMINATES

Taking steps to reduce your carbon footprint

# THE DIFFERENCE BETWEEN ANTI-BACTERIAL AND ANTI-MICROBIAL PROTECTION

Today, more than ever, the need to recognise the health risks in hygienic-sensitive areas where bacteria, germs and viruses are easily spread from touching, speaking, sneezing, or coughing is essential.

The main difference between Anti-Bacterial and Anti-Microbial is the type of micro-organism inhibited and the strength of protection.

Whilst Anti-Bacterial protects against a range of mild bacteria, Anti-Microbial provides a greater scope of protection as an antibacterial, antibiotics, antifungal, antiparasitic and antiviral. In addition to this the Anti-Microbial will kill 99.9% of bacteria and slows the spread of microorganisms. Microorganisms include bacteria, viruses, protozoans, and fungi such as mould and mildew.

## *Interestingly:*

- One germ can multiply into more than 8 million germs in one day.
- Nearly 80 percent of illness-causing germs are spread by your hands.
- Some bacteria can survive for months on surfaces.
- Contaminated hands can on average transfer viruses to five more surfaces.

## BioCarbon Laminates Anti-Microbial Surfaces

BioCarbon Laminates range of HPL and SGL offer Anti-Bacterial protection with the added protection of an innovative Anti-Microbial surface nanotechnology designed to actively inhibit the spread of micro-organisms, whilst being completely safe for humans and animals.

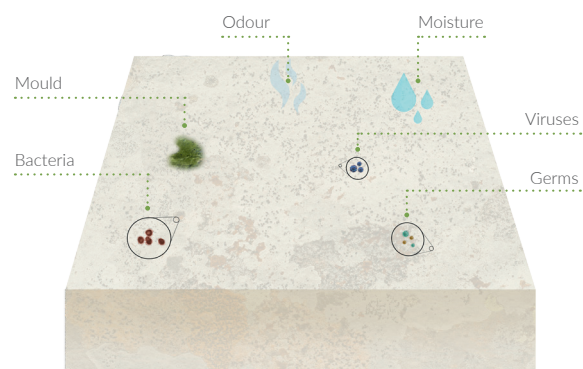
Through dedicated research and development Anti-Microbial protection comes as standard across our complete range of laminates both in HPL and SGL, which demonstrates our commitment to the health, safety, and wellbeing of our end users.

Silver ions are the active ingredient for this level of protection. This natural element has been implemented into many applications for its ability to inhibit bacteria, germs, virus, mould, and odour across the entire surface. The silver ions are non-soluble and provide a long-lasting protection throughout the whole lifetime of the laminate, whilst having no impact on durability or performance.

Anti-Bacterial and Anti-Microbial protected surface



Normal surface with no protection





# ANTI-MICROBIAL PROTECTION AND TESTING

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Our HPL and SGL are tested under JIS Z 2801 method, the industry standard for testing Anti-Microbial performance on hard surfaces, as well as ISO 22196.



*Kills 99.9% of bacteria*

**The perfect solution for hygiene-sensitive and high traffic areas.**

## Benefits of Anti-Microbial protection from BioCarbon Laminates

- Destroys up to 99.9% of bacteria e.g. Escherichia coli (e-coli) and Staphylococcus aureus
- Resists the spread of germs, diseases, fungi, and viruses
- Resists mould and odour
- Moisture resistant
- Food contact
- Easy to clean
- Effective in high traffic areas
- No impact on durability and longevity
- No impact on aesthetics or design



# APPLICATIONS REQUIRING ANTI-MICROBIAL PROTECTION

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The Anti-Microbial protection provided by BioCarbon Laminates makes our decorative surfaces the ideal solution for the most exposed applications within hygiene sensitive areas in the build environment:

## Healthcare

- Hospitals and surgeries
- Medical analysis centres
- Nursing homes
- Mental health facilities
- Veterinary practices



Contributes to the prevention of hospital infections through the risk on contact with contaminated surfaces



Public areas where hygiene is a requirement to protect surfaces from pathogens

For example:

Washrooms and reception desks



## Food Contact

- Hotels
- Restaurants
- Cafes
- Catering facilities
- Domestic kitchens



Natural element silver has inorganic and non-toxic properties and is hygienic and suitable for food contact.



Reduces food contamination risk and mould and infections

For example:

Tabletops, counters, worktops, shelving and cupboards



## Sanitary Facilities

Washrooms

Leisure facilities

Hotels facilities

Commercial interiors

Public facilities



**Moisture resistant**



**A water repellent material prevents mould and bacteria from growing**

**For example:**

Toilet cubicles, shower cubicles, vanity tops, lockers and IPS panels



## Public Facilities

Hotel facilities

Retail

Commercial interiors

Education and communal areas

Transport

Halls and auditoriums

Libraries



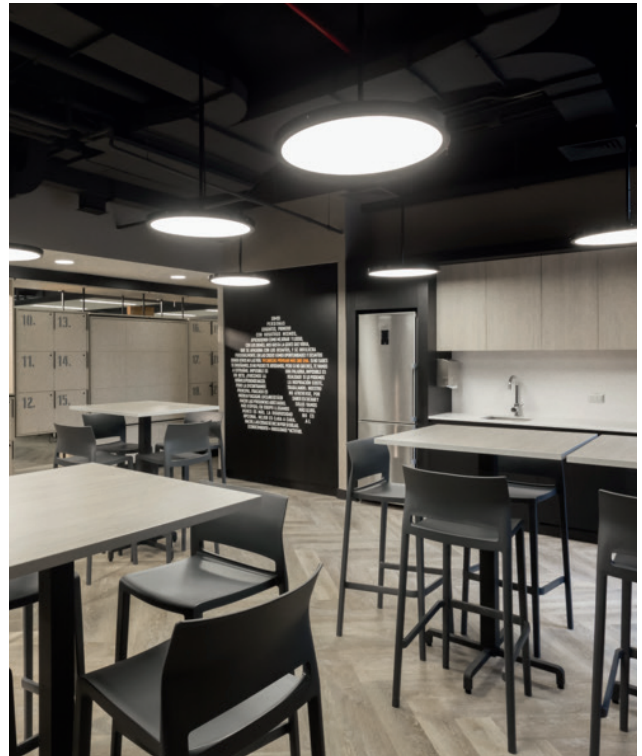
**Ideal for all service sector facilities**



**Effective in high traffic environments**

**For example:**

Shopfitting, hotel rooms, reception desks, office furniture, school desks and storage/shelving, gym, lifts



## Looking for an Anti-Microbial solution?

Contact our team today:

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BioCarbon Laminates

To request samples please contact our UK distributor  
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