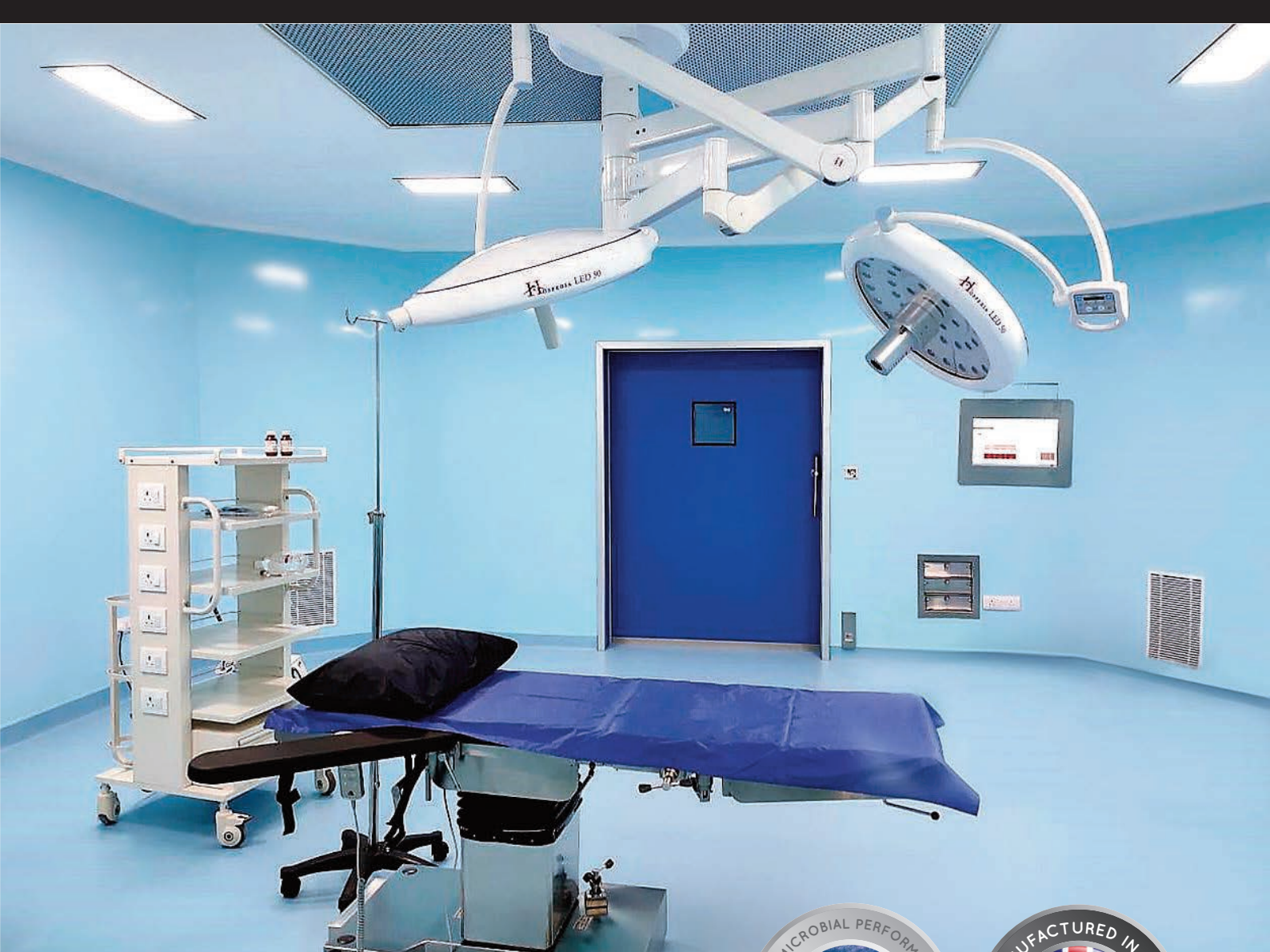




# am-clad

premium cladding systems



## PRODUCT DATA SHEET



# am-clad

antimicrobial wall cladding

**AM-Clad 2.5mm**  
High grade, antimicrobial  
wall cladding system

[AM-Clad.com](http://AM-Clad.com)



## AM-Clad 2.5mm Antimicrobial Cladding System

**AM-Clad 2.5mm Antimicrobial has a proven track record in the UK and Europe. It is available in a range of colours and delivers supreme hygiene standards for many sectors including healthcare, pharmaceuticals, food and drink manufacturing, restaurant kitchens, leisure centres and animal care.**

The antimicrobial properties are added during manufacturing. Tiny particles of silver ions deliver an authentic sterile performance. The active ingredients contain no toxins and prevent the growth of bacteria, mould and viruses – including MRSA and food contaminants.

It meets UK and EU hygiene requirements and is Class 1 fire-rated, achieving a Class 0 rating when fixed to a non-combustible surface.

AM-Clad 2.5mm Antimicrobial is available in 27 colours and helps to maintain the highest standards of performance in hygiene-critical environments.

The surface of AM-Clad 2.5mm Antimicrobial is highly resistant to chemicals and germs cannot gain a foothold on the surface, which makes cleaning quick and easy and prevents bacteria and viruses from re-forming on the panel's surface. The antimicrobial performance has a Lifetime Guarantee.

**For further information or technical advice:**

**Call 01274 020 331**

**Email: [info@am-clad.com](mailto:info@am-clad.com)**



### **Prevents and inhibits:**

MRSA (Methacillin Resistant Staphylococcus Aureus)  
C Difficile, Aspergillus Niger,  
E Coli, Salmonella and  
more (see table page 4).

### **Suitable for:**

hospitals, surgeries,  
care homes, mortuaries,  
laboratories, sterile  
manufacturing plants,  
pharmaceuticals,  
refrigeration stores,  
food and drink  
manufacturing,  
kitchens, restaurants,  
cleanrooms, schools,  
leisure centres, wet  
rooms, pools and  
custodial premises.

## Extruded rigid antimicrobial PVC sheet

**Performance:** Proven to kill bacteria and inhibits growth of pathogen.

**Colours:** AM-Clad is available in a wide range of subtle and vibrant colours which can be seen in our swatch and sample brochures – request yours today.

**Surface finish:** Smooth, satin finish. Gloss finish options on request.

## Measurements

2.5mm AM-Clad sheets are available in three sizes:

2438mm (8') x 1220mm (4') x 2.5mm

2744mm (9') x 1220mm (4') x 2.5mm

3048mm (10') x 1220mm (4') x 2.5mm

**Weight:** 3.5 kg per m<sup>2</sup>

**Service temp:** -10°C to +60°C

## Flammability

AM-Clad Antimicrobial is self-extinguishing and complies with the most demanding international fire resistance standards defined for plastics, as shown below:

Standard:	Classification:
EN 13501	B, s3, d0
DIN 4102	B1
BS 476/7	Class 0
NSP 92501,5	M1
ASTM E 84	Class A

## Corners

AM-Clad Antimicrobial sheets can be expertly thermoformed on-site ensuring a professional finish and minimising edge joints around corners, windows and doors. External corners in high traffic areas can also be over-clad with robust corner protectors. Thermoforming requires temperatures between 130°C and 170°C.

## Joints

Sheets can be fixed using PVC 'H' joints and end trims. Powder coated aluminium 'H' joints offer a robust and stronger alternative for high traffic areas where impacts are likely.

When welded joints are used an even 3mm to 4mm gap should be left between the vertical edges of the sheets when bonding them to the wall. The gap is then filled and hygienically sealed with cold or hot weld rod – available in colours which match the sheets.

We can advise you on whether welded joints are suitable and see the current AM-Clad Installation Guide for full instructions.

## Cutting and Drilling

Panels can be cut to size using an appropriate saw. See the current AM-Clad Installation Guide for full details. The protective film should be left in place. Use slow drill speeds to penetrate the panel and leave a 3mm to 4mm expansion gap around pipes etc.

## Cleaning

Regular cleaning using a soft cloth and a suitably diluted mild detergent is all that is normally required. Do not use abrasive pads or wire wool. Do not clean above 60°C.

## Temperature

AM-Clad sheet has a maximum working temperature of 60°C. For higher temperatures (e.g. open flame, griddle and oven areas in kitchens, boiler rooms and manufacturing areas) we recommend stainless steel panels.

## Colours

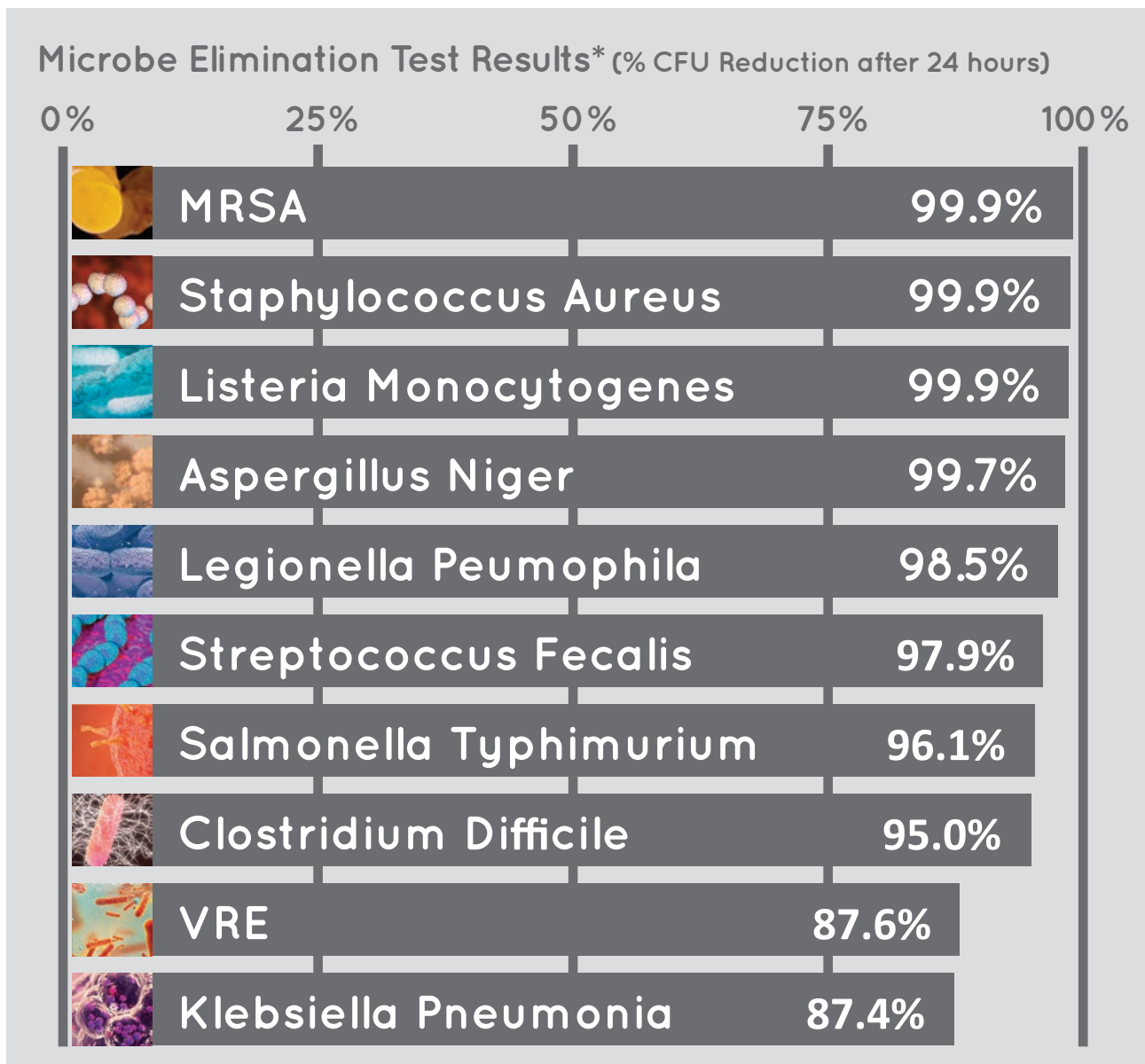
The fully updated range of AM-Clad colours and surface finishes can be seen in our current 6-page Specifiers Guide which is available now on request.

We offer a wide range of subtle and vibrant colours with a practical and attractive satin finish. Gloss finish sheets are available on request and are subject to minimum order quantities.

## Proven Antimicrobial Performance

AM-Clad antimicrobial wall cladding has a smooth, satin surface. The antimicrobial properties are added during manufacturing and its active ingredients contain no toxins and prevent the growth of bacteria, mould and viruses – including MRSA and food contaminants.

AM-Clad's biocidal performance was measured in an independent test and the results are recorded and illustrated in the chart below. It is highly effective against the top ten most common pathogens or 'superbugs' and its resistance to chemicals ensures no reduction in performance over time.

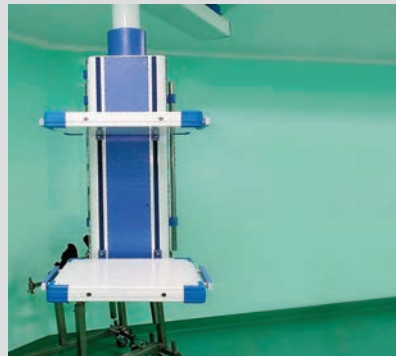


\*In an independent lab test, 10 common microbes were selected, and each of them was incubated on panels for 24hrs at 37°C and >90% RH. As the table shows, AM-Clad panels demonstrate high antimicrobial activity. Use of AM-Clad, along with an adequate cleaning regime, would significantly reduce microbial growth, including dangerous pathogens.

# Technical Data

## AM-Clad 2.5mm Antimicrobial Cladding Systems

Property	Test Method	Conditions	Units	Value
Density	D-792		g/cm <sup>3</sup>	1.4
Heat deflection temperature (HDT)	D-648	Load: 1.82MPa	°C	65 - 68
Service temperature			°C	-10 to +50
Thermal conductivity	C-177		W/m K	0.15
Coefficient of linear thermal expansion	D-696		cm/cm °C	6.7 x 10 <sup>-5</sup>
Rockwell hardness	D-785		R Scale	97R
Tensile strength at yield	D-638	10mm/min	MPa	50
Tensile strength at break	D-638	10mm/min	MPa	45
Elongation at yield	D-638	10mm/min	%	3
Elongation at break	D-638	10mm/min	%	>80
Tensile modulus of elasticity	D-638	1mm/min	MPa	2,900
Flexural strength	D-790	1.3mm/min	MPa	80
Flexural modulus	D-790	1.3mm/min	MPa	2,700
Impact falling weight	ISO 6603/1 E50	3mm sheet	J	95



Contact the AM-Clad team for a quote today  
 Call 01274 020 331 or email: [info@am-clad.com](mailto:info@am-clad.com)  
 AM-Clad.com