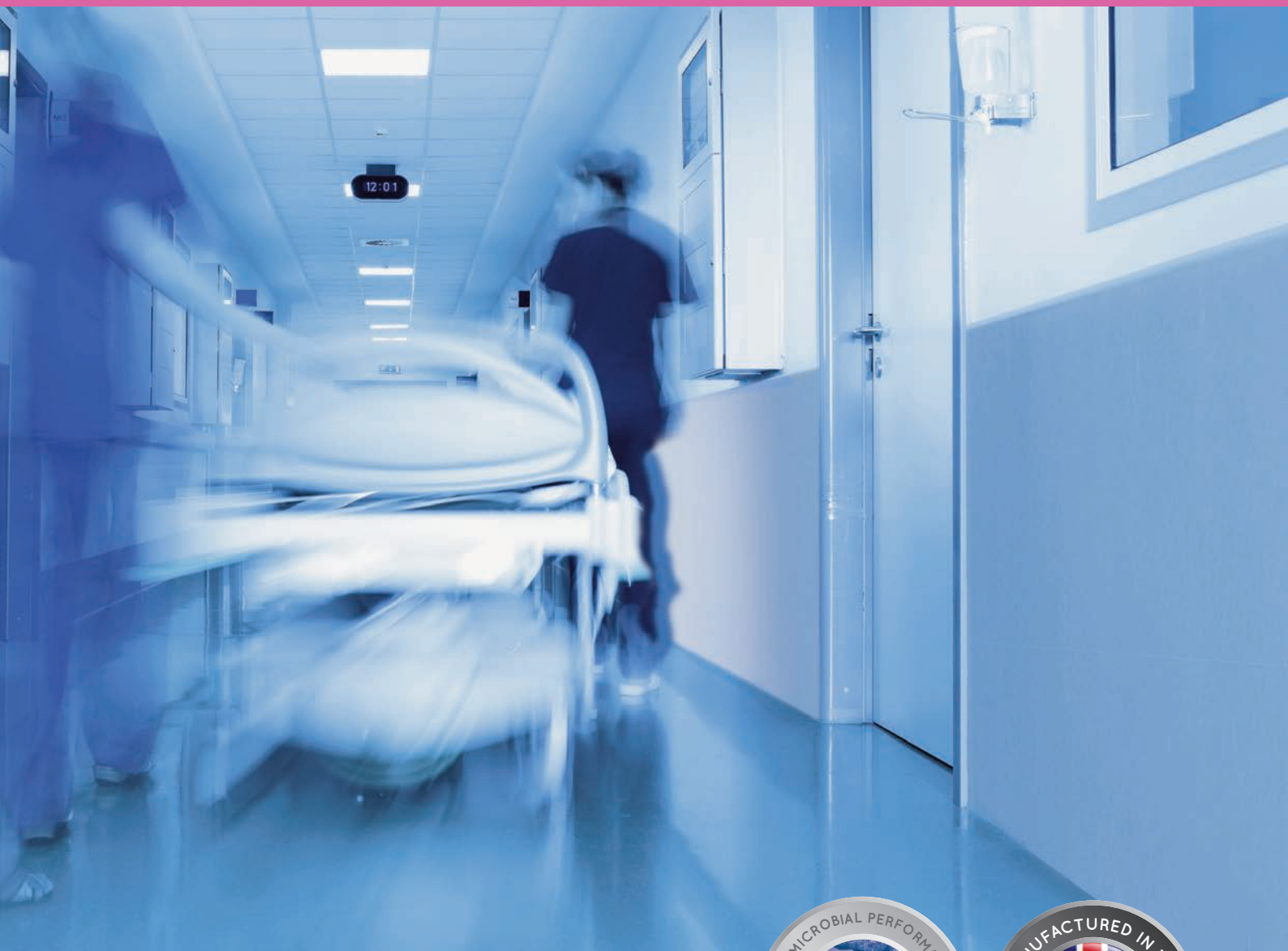




**am-clad**  
premium cladding systems



PRODUCT DATA SHEET



**am-Guard**  
wall and door protection

**AM-Guard 2mm**  
Superior spec, antimicrobial  
wall and door protection system

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



## AM-Guard 2mm Antimicrobial Wall and Door Protection

**AM-Guard wall protection is the ideal Antimicrobial Wall and Door Protection for hygiene critical areas of hospitals, medical centres, laboratories, foodsafe environments and leisure facilities.**

AM-Guard's textured anti-microbial surface actively kills microbes and is tough, scratch-resistant and impervious to frequent cleaning.

Tiny particles of silver ions added during the manufacturing process 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.

The surface of AM-Guard is up to 20 times more scratch-resistant than standard PVC panels and germs cannot gain a foothold. It is specifically designed to help alleviate the scratches, indentations and chips that can harbour germs in busy healthcare environments.

The surface is highly resistant to chemicals. This means that cleaning is quick and easy and traces of bacteria and virus cannot re-form. 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. The antimicrobial performance has a Lifetime Guarantee.

AM-Guard has a proven track record. It is available in 5 colours and delivers supreme hygiene and wall protection for many sectors, including healthcare, pharmaceuticals, food and drink manufacturing, commercial kitchens, fast food restaurants, leisure centres, schools and custodial facilities.

**For further information or technical advice:**

**Call +44 1274 020 331 WHATSAPP +44 789 187 9050**

**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,  
schools, leisure centre  
wet rooms,  
custodial premises.

## Antimicrobial Wall and Door Protection

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

**Colours:** White, Ivory, Light Grey, Dark Grey and BlueBespoke colour-matched panels available on request, subject to order quantities.

**Surface finish:** Textured anti-scratch.

## Measurements

**2mm AM-Guard Standard Sheet:**  
3048mm (10') x 1220mm (4') x 2mm

**2mm AM-Guard Impact Strip:**  
3048mm x 300mm

**2mm AM-Guard Angles:**  
3048mm x 75mm x 75mm

**Weight:** 2.8 kg per m<sup>2</sup>

**Service temp:** -10°C to +60°C

## Flammability

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

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

## Joints

Panels are fixed using butt joints. This involves leaving an even 3mm to 4mm gap 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. See the current AM-Guard Installation Guide for full instructions.

## Cutting and Drilling

Panels can be cut to size using an appropriate saw. See the current AM-Guard 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.

## Corners

AM-Guard 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.

## 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-Guard 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

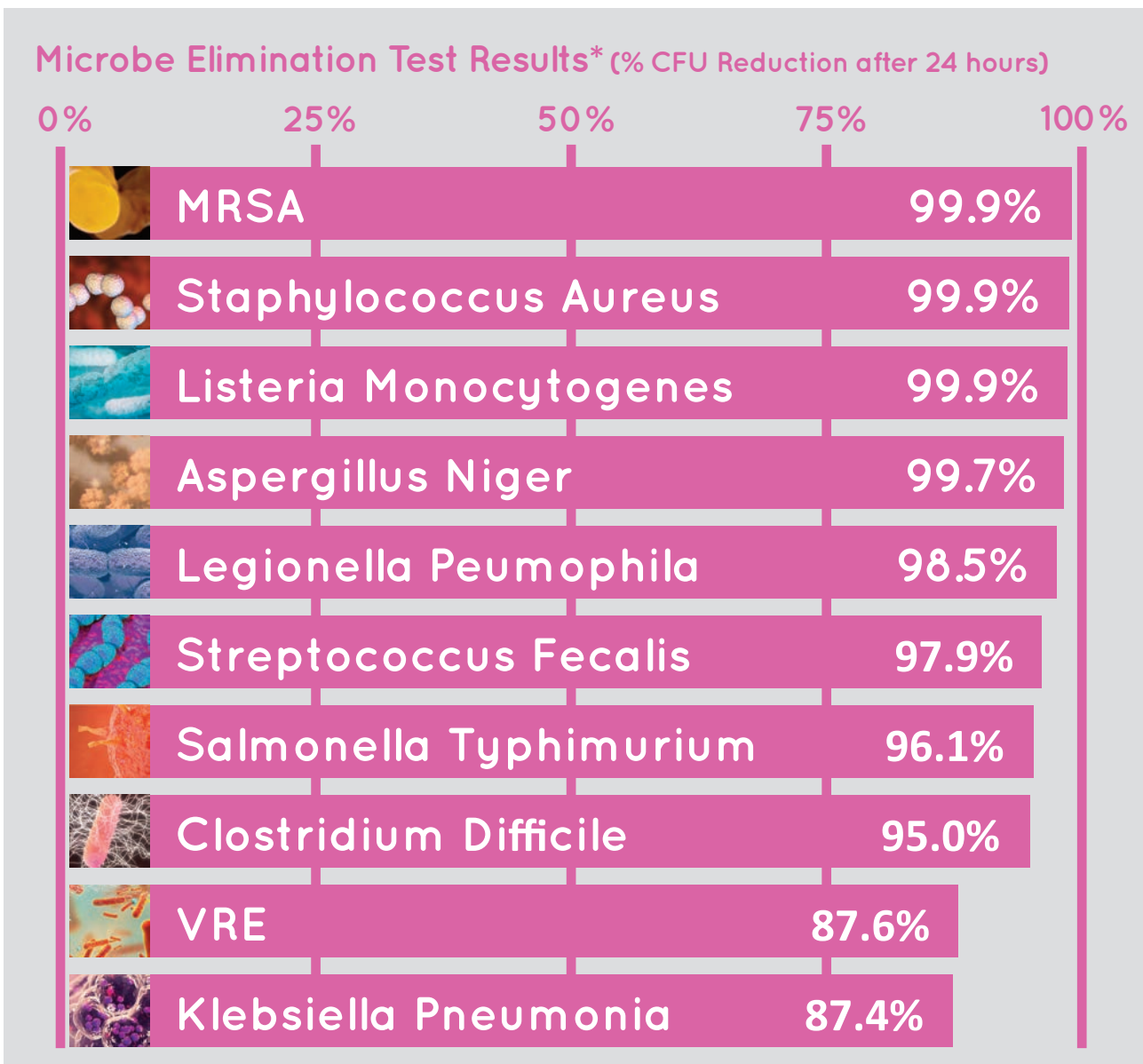
AM-Guard is available in a range of subtle colours with matching Angles, Sealant and Weld Rod.



## Proven Antimicrobial Performance

AM-Guard antimicrobial wall protection has a textured, 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-Guard’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-Guard panels demonstrate high antimicrobial activity. Use of AM-Guard, along with an adequate cleaning regime, would significantly reduce microbial growth, including dangerous pathogens.



**am-Guard**  
wall and door protection



# Technical Data

## AM-Guard 2mm Antimicrobial Wall and Door Protection

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 +44 1274 020 331 or email: [info@am-clad.com](mailto:info@am-clad.com)  
[AM-Clad.com](http://AM-Clad.com)