



am-Guard
premium wall protection



High grade
superior spec
wall protection

DATA SHEET
Am-Guard 2mm
Antimicrobial Wall Protection

am-guard.com



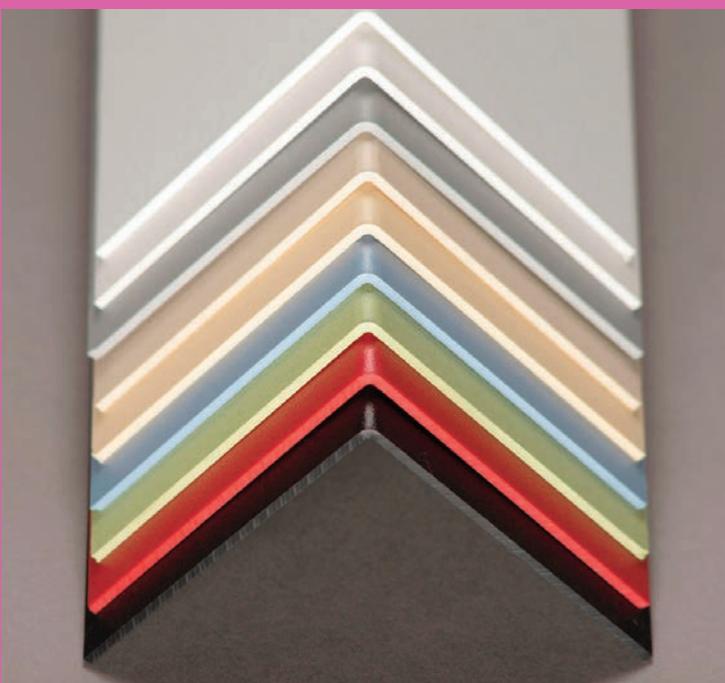
STANDARD SHEET SIZE GUIDE:



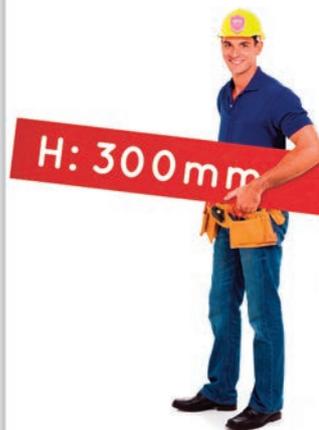
TEXTURED
ANTI-
MICROBIAL
SURFACE



HEIGHT: 1200 mm
WIDTH: 3000 mm



IMPACT STRIP SIZE GUIDE:



H: 300 mm
W: 3000 mm



TEXTURED
ANTI-
MICROBIAL
SURFACE



Am-Guard 2mm Antimicrobial Wall Protection

Am-Guard wall protection is the ideal Antimicrobial Wall 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.

Am-Guard has a proven track record in the UK and Europe. It is available in 9 colours and delivers supreme hygiene and wall protection for many sectors, including healthcare, pharmaceuticals, food and drink manufacturing, restaurant kitchens, leisure centres, schools and custodial facilities.

For further information or technical advice:

Call 01274 578 051

Email: info@am-guard.com



Prevents and inhibits:

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

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 Protection

- Performance:** Proven to kill bacteria and inhibits growth of pathogens.
- Colours:** White, Off-White, Ivory, Sand, Light Grey, Grape (Green), Ocean Blue, Red and Black. Bespoke colour-matched panels available on request, subject to order quantities.
- Surface finish:** Textured anti-scratch.

Measurements

2mm Am-Guard Standard Sheet

3000mm x 1220mm

2mm Am-Guard Impact Strip

3000mm x 300mm

2mm Am-Guard Angles

3000mm x 75mm x 75mm

Weight: 3.5 kg per m²

Service temp: -10°C to +50°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	B-1
BS 476/7	Class 0
NSP 92501,5	M-1
ASTM E 84	Class A

Cutting and Drilling

Panels can be cut to size using hand tools. The protective film on every panel should be left in place until installation begins. Use slow drill speeds to penetrate the panel.

Joints

Panels are fixed using butt joints. This involves leaving an even 3mm 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 weldrod. This is available in colours which match the panels.

Corners

A full range of matching 75mm Am-Guard Angles will provide robust protection for corners in high traffic areas.

Am-Guard sheets can be expertly thermoformed on-site to provide a perfect finish and minimise joints around corners.

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 50°C.

Temperature

Am-Guard sheet has a maximum working temperature of 50°C. For higher temperatures (e.g. open flame and oven areas in kitchens) we recommend stainless steel panels.

Colours

Am-Guard is available in White, Off-White, Ivory, Sand, Light Grey, Grape (Green), Ocean Blue, Red and Black with matching Angles, Sealant and Weldrod.



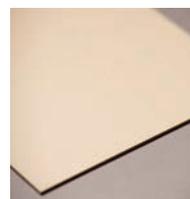
White



Off White



Light Grey



Ivory



Sand



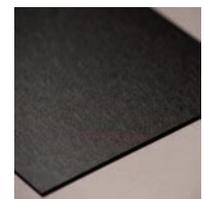
Ocean Blue



Grape (green)



Red

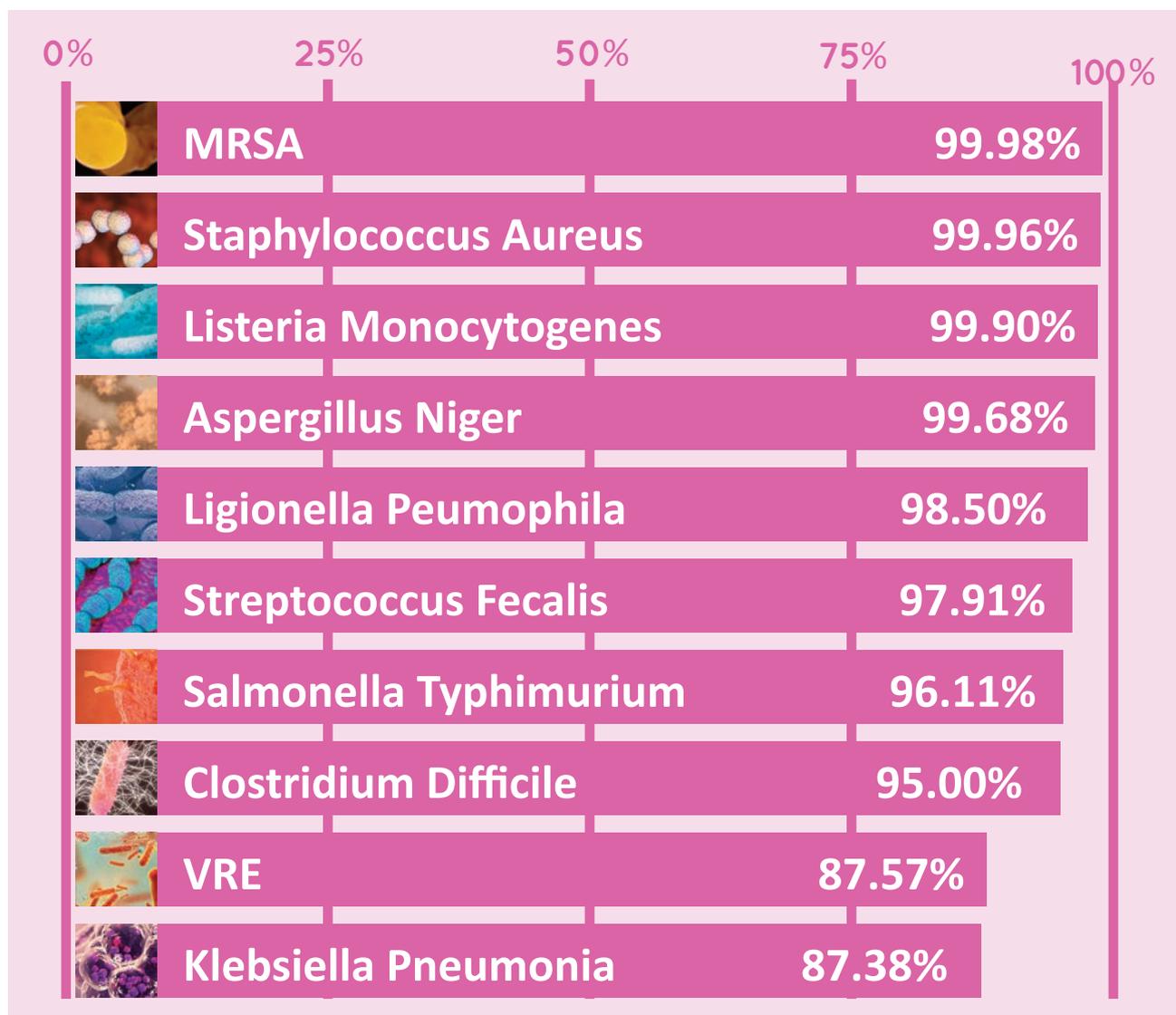


Black

Test results showing microbe elimination

Showing percentage of microbes killed after 24 hours

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.



Technical Data

Am-Guard 2mm / Antimicrobial Wall Protection

Property	Method*	Conditions	Units	Value
Density	D-792		g/cm ³	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 ⁻⁵
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-Guard team for a quote today
Call 01274 578 051 or email: info@am-guard.com

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