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COMMERCIAL INTERIORS

PRODUCT DATA SHEET

am-Guard
antimicrobial wall protection

AM-Guard 2mm

Superior spec, antimicrobial wall protection system

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AM-Guard 2mm Antimicrobial Wall Protection

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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 US hygiene requirements and meets ASTM Class A US Fire Rating standards when installed to a non-combustible surface.

AM-Guard has a proven track record in the UK and Europe. It is available in 9 colors 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 get in touch using the contact details below.

Prevents and inhibits:

MRSA (Methacillin Resistant Stapphylococcous 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 center wet rooms, custodial premises.

Contact Yorkshore today:

Yorkshore Commercial Interiors
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Description

am-Guard
antimicrobial wall protection

Antimicrobial Wall Protection

Performance: Proven to kill bacteria and inhibits growth of pathogens.

Colors: White, Off-White, Ivory, Sand, Light Grey, Grape (Green), Ocean Blue, Red and Black. **Custom color**-matched panels available on request, subject to order quantities.

Surface finish: Textured anti-scratch.

Measurements

2mm AM-Guard Standard Sheet

8ft x 4ft (2438mm x 1220mm x 2mm)

9ft x 4ft (2744mm x 1220mm x 2mm)

10ft x 4ft (3048mm x 1220mm x 2mm)

2mm AM-Guard Impact Strip

3048mm x 300mm (10ft x 1ft)

2mm AM-Guard Angles

3048mm(10ft) x 75mm (3") x 75mm (3")

Weight: 4lb 9oz per square yard

Service temp: 4° to 140° Fahrenheit (-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	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 installed 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 colors which match the panels.

Corners

A full range of matching 75mm AM-Guard Angles provides robust protection for corners in high traffic areas. AM-Guard sheets can be thermoformed on-site to provide a perfect finish and minimize joints around corners. Thermoforming requires temperatures between 266ºF and 338ºF. Get in touch for guidance.

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 140°F.

Temperature

AM-Guard sheet has a maximum working temperature of 140°F. For higher temperatures (e.g. open flame and oven areas) we recommend stainless steel panels.

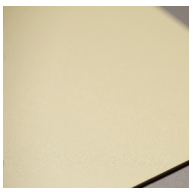
Colors

White

Off White

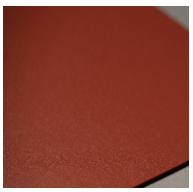
Light Grey

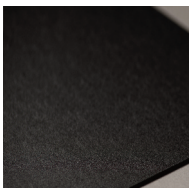
Ivory


Sand

Ocean Blue

Grape (green)

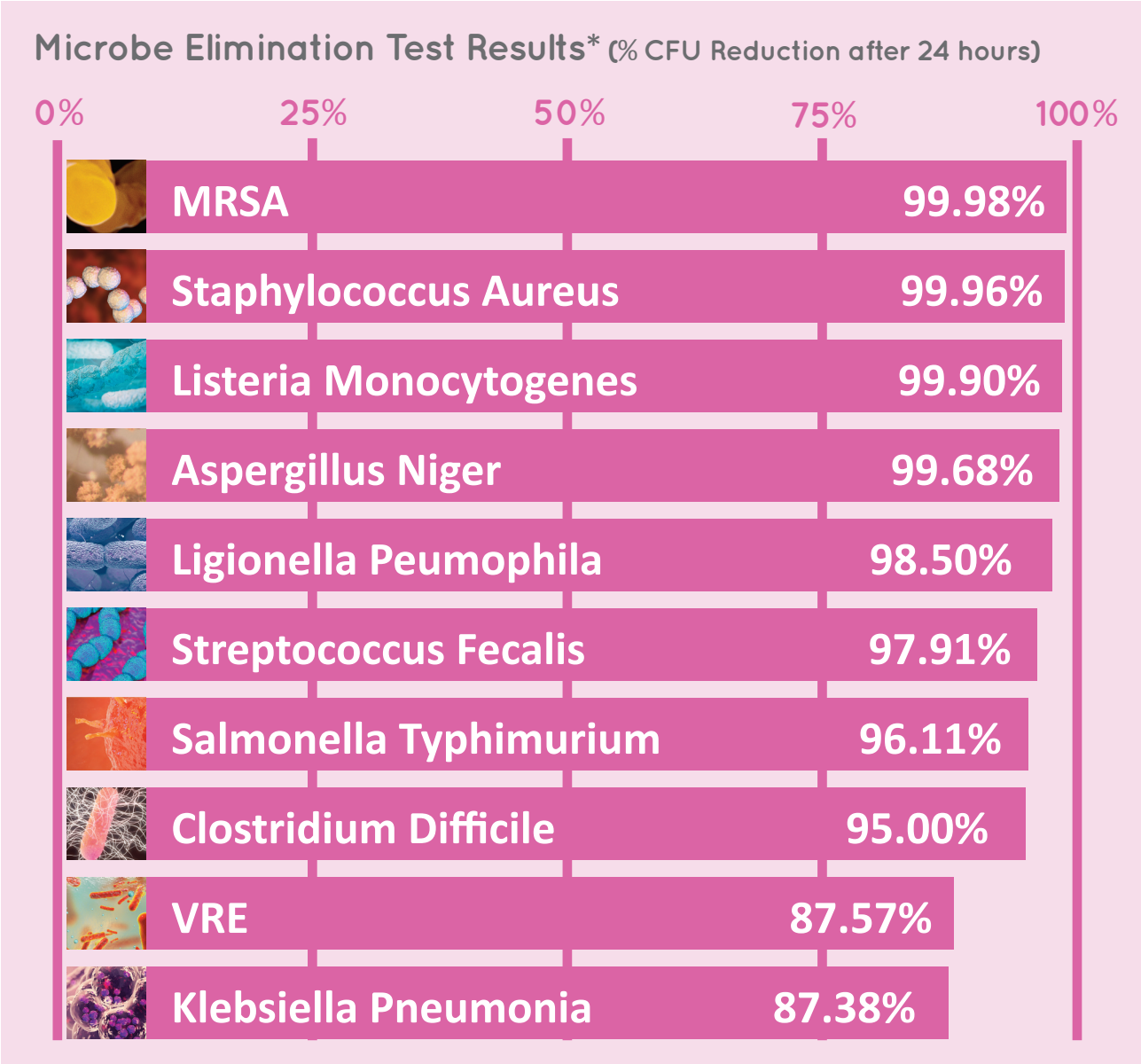

Red


Black

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.

Technical Data

AM-Guard 2mm Antimicrobial Wall Protection

Property	Method*	Conditions	Units	Value
Density	D-792		g/cm3	1.4
Heat deflection temperature (HDT)	D-648	Load: 1.82MPa	°F	149 to 155
Service temperature			°F	4 to 140
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

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