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COMMERCIAL INTERIORS

PRODUCT DATA SHEET

am-clad
antimicrobial wall cladding

AM-Clad 2.5mm

High grade, antimicrobial wall cladding system

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AM-Clad 2.5mm Antimicrobial Cladding System

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AM-Clad 2.5mm Antimicrobial Cladding System is the ideal cladding solution for hygiene-critical areas in medical facilities, laboratories and foodsafe environments.

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, mold and viruses – including MRSA and food contaminants.

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

AM-Clad 2.5mm Antimicrobial has a proven track record in the UK and Europe. It is available in white and 5 colors and delivers supreme hygiene standards for many sectors including healthcare, pharmaceuticals, food and drink manufacturing, restaurant kitchens and leisure centers.

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.

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 on page 4).

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:

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Description

am-clad
antimicrobial wall cladding

Extruded rigid antimicrobial PVC sheet

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

Colors: White, Ivory, Pastel Green, Pastel Blue, Grey and Titanium. Color-matched panels available on request, subject to minimum order quantities.

Surface finish: Smooth, satin finish.

Measurements

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

8ft x 4ft (2438mm x 1220mm x 2.5mm)
9ft x 4ft (2744mm x 1220mm x 2.5mm)
10ft x 4ft (3048mm x 1220mm x 2.5mm)

Weight: 6lbs 3oz per square yard

Service temp: 4° to 140° Fahrenheit (-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	B-1
BS 476/7	Class 0
NSP 92501,5	M-1
ASTM E 84	Class A

Joints

Sheets can be installed using PVCu 'H-Divider' joints and end trims. Powder coated aluminum 'H-Divider' joints offer a robust and stronger alternative for high traffic areas where impacts are likely. Welded joints can also be used. This involves leaving an even 2/3mm 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 – available in colors which match the sheets.

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.

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 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

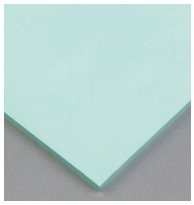
AM-Clad sheet has a maximum working temperature of 140°F. For higher temperatures (e.g. open flame and oven areas) we recommend stainless steel panels.

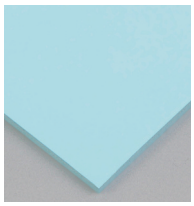
Colors

AM-Clad is available in White, Ivory, Pastel Green, Pastel Blue, Grey and Titanium. Color-matched sheets are available on request, subject to minimum order quantities.

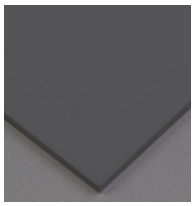
White

Ivory


Pastel Green


Pastel Blue

Grey

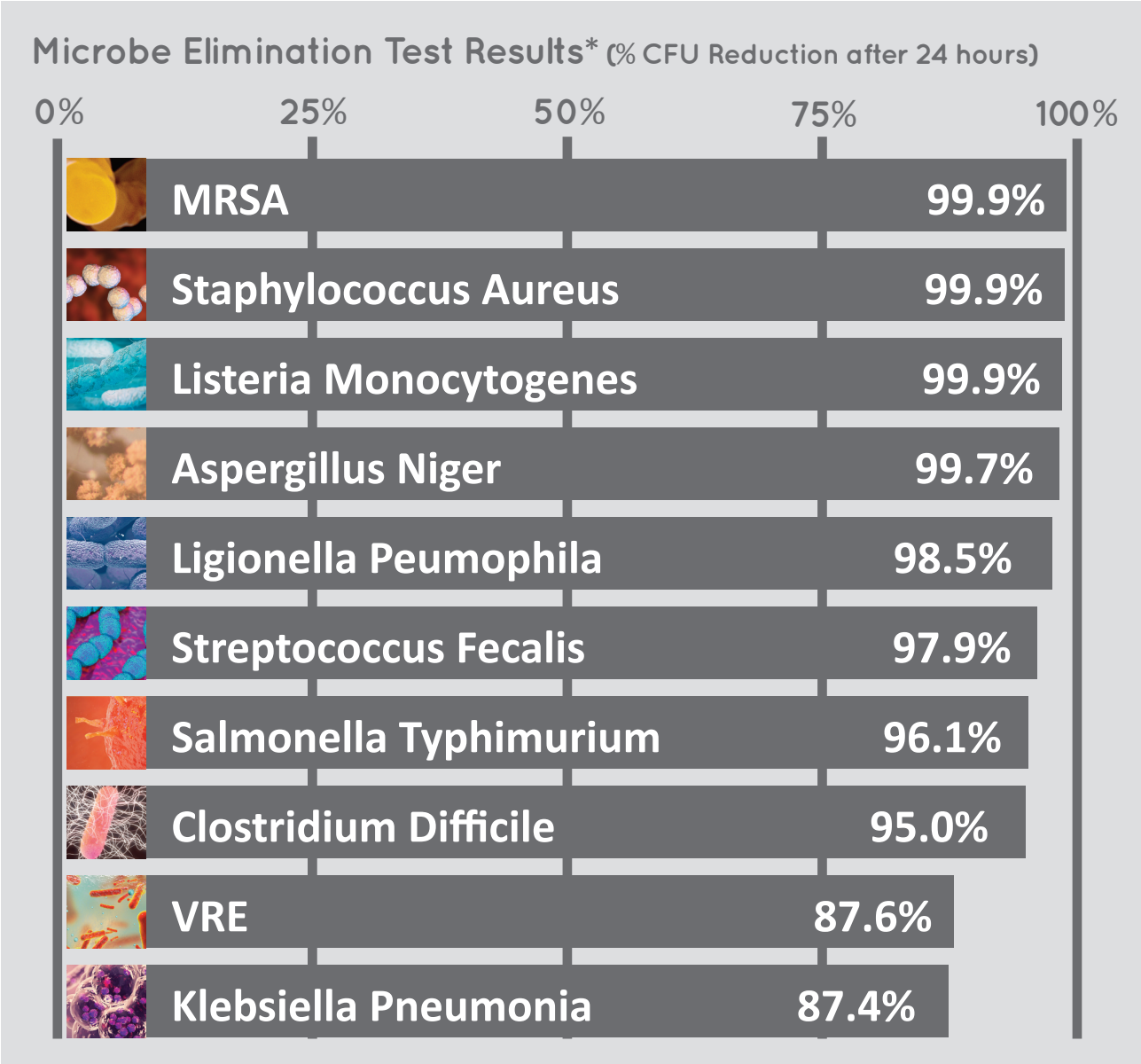

Titanium

AM-CLAD COMES WITH A 20 YEAR GUARANTEE

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, mold 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.

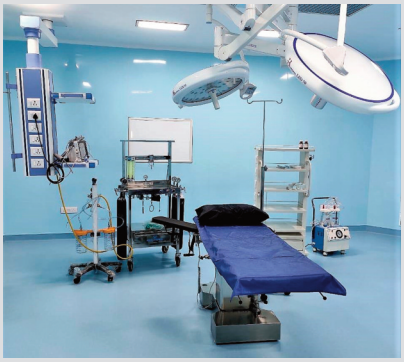


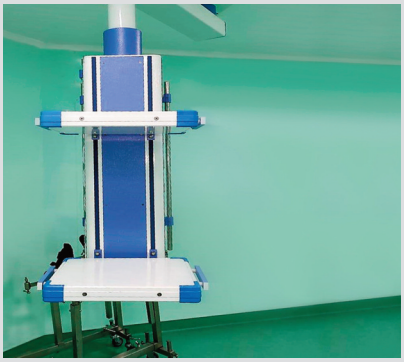
*In an independent lab test, 10 common microbes were selected, and each of them was incubated on panels for 24hrs at 37°C and >90% RH. As the table shows, AM-Clad panels demonstrate high antimicrobial activity. Use of AM-Clad, along with an adequate cleaning regime, would significantly reduce microbial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

Technical Data

AM-Clad 2.5mm Antimicrobial Cladding Systems

Property	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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