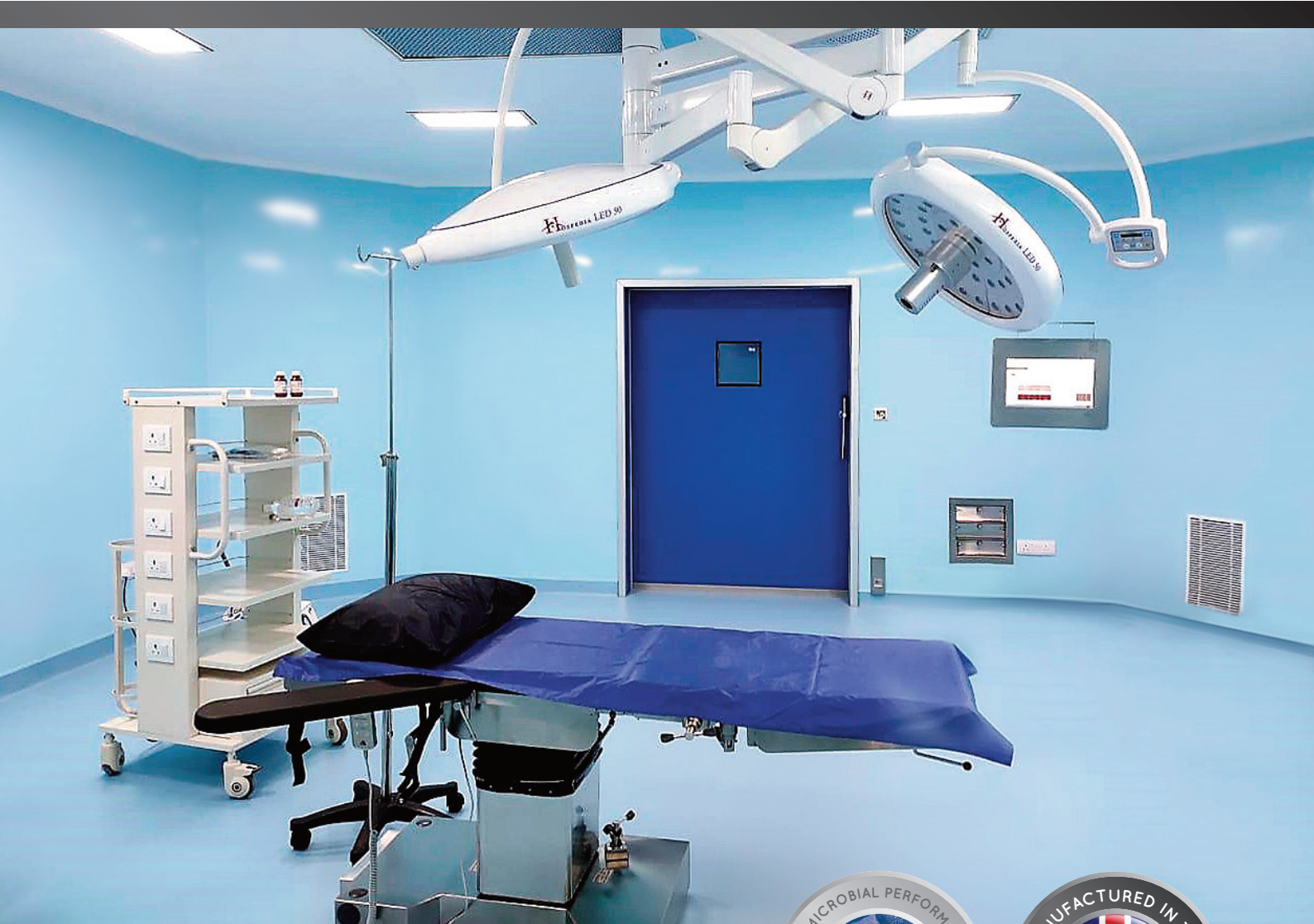




LOROTECH



PRODUCT DATA SHEET

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



LOROTECH.MX



AM-CLAD 2.5MM ANTIMICROBIAL CLADDING SYSTEM

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, 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 has a proven track record in the UK and Europe. It is available in 6 colours and delivers supreme hygiene standards for many sectors including healthcare, pharmaceuticals, food and drink manufacturing, restaurant kitchens and leisure centres.

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:

Email assistant@lorotech.com.mx

Call 33 3216 096



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.

Extruded rigid antimicrobial PVC sheet

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

Colours: White, Ivory, Pastel Green, Pastel Blue, Grey and Titanium.
Colour-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:

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 m²

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 | B-1 |
| BS 476/7 | Class 0 |
| NSP 92501,5 | M-1 |
| ASTM E 84 | Class A |

Joints

Sheets can be fixed using PVCu 'H' joints and end trims. Powder coated aluminium 'H' 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 colours which match the sheets. We can advise you on whether welded joints are suitable for your project.

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

Colours

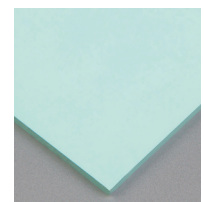
AM-Clad is available in White, Ivory, Pastel Green, Pastel Blue, Grey and Titanium. Colour-matched sheets are available on request, subject to minimum order quantities.



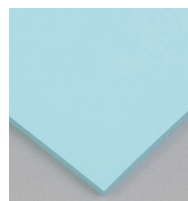
White



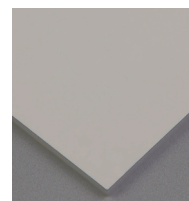
Ivory



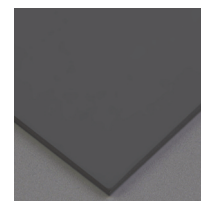
Pastel Green



Pastel Blue



Grey



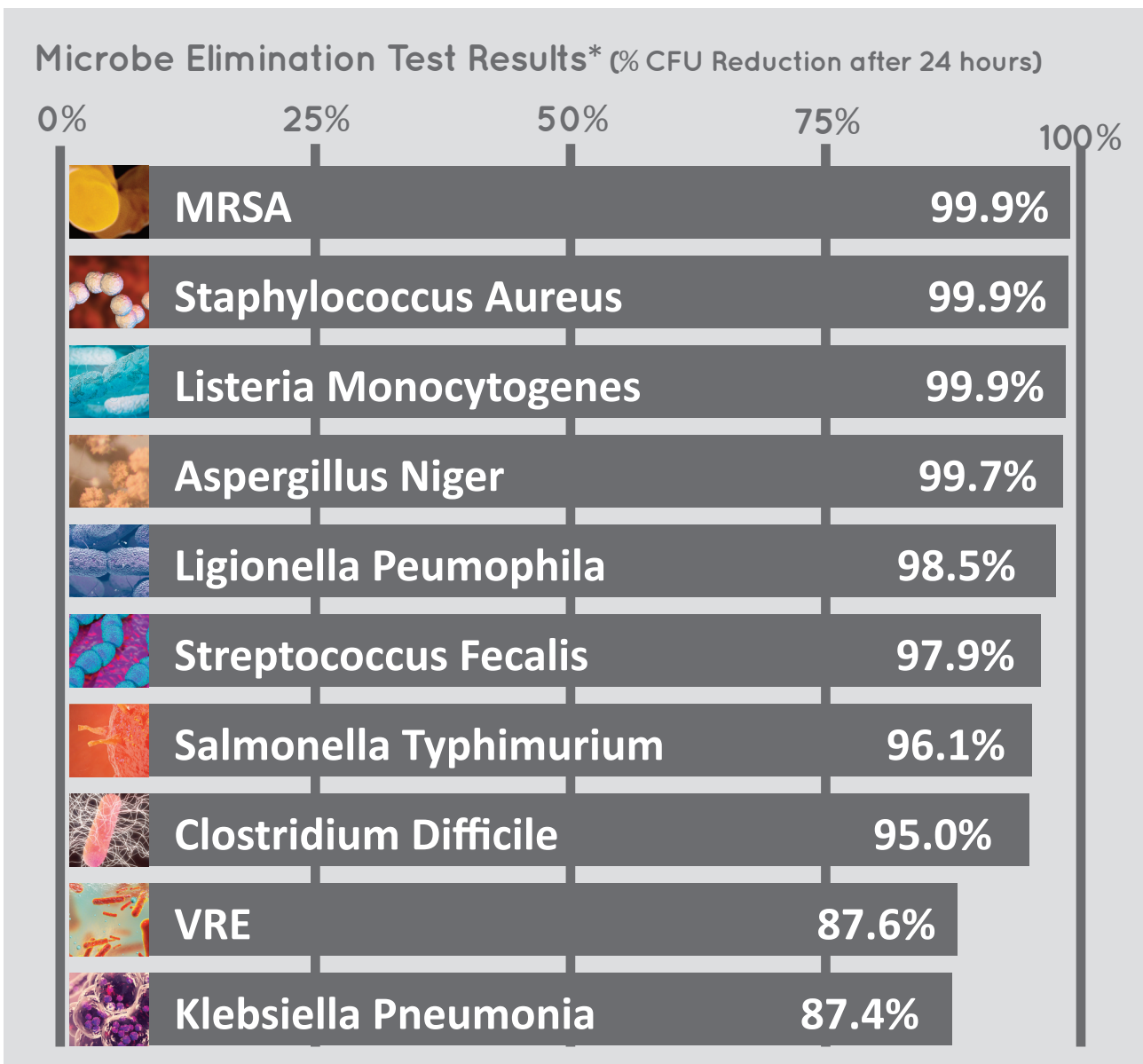
Titanium

AM-CLAD IS MANUFACTURED IN THE UNITED KINGDOM AND COMES

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.



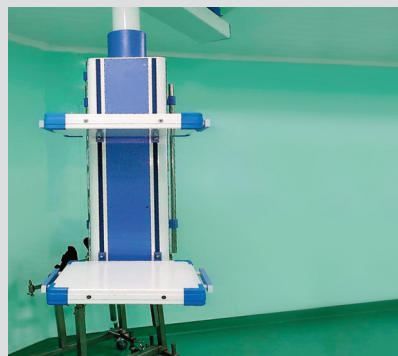
*In an independent lab test, 10 common microbes were selected, and each of them was incubated on panels for 24hrs at 37°C and >90% RH. As the table shows, AM-Clad panels demonstrate high antimicrobial activity. Use of AM-Clad, along with an adequate cleaning regime, would significantly reduce microbial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



TECHNICAL DATA

AM-CLAD 2.5MM ANTIMICROBIAL CLADDING SYSTEMS

| Property | 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 LoroTech MX for a quote today

Email assistant@lorotech.com.mx / Call 33 3216 0968

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