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premium cladding systems

Yorkshore
COMMERCIAL INTERIORS

SYSTEM DATA SHEET

HYGIENIC PVC • SAFE & EASY CLEAN

MANUFACTURED IN THE UNITED KINGDOM

am-clad
hygienic pvc wall cladding

AM-Clad 2.5mm

High grade, hygienic PVC wall cladding system

www.yorkshore.com

AM-Clad Hygienic 2.5mm PVC Cladding Sheet

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hygienic pvc wall cladding

AM-Clad Hygienic 2.5mm is a best-selling hygienic, foodsafe PVC sheet with proven performance across several market sectors including industry, healthcare, catering, retail, education and commercial.

It is made from premium grade solid PVC and is cost-effective and versatile. AM-Clad Hygienic is suitable for most cladding jobs in hygienic and foodsafe areas. It is non-toxic and has a proven track record in environments where strict hygiene standards must be maintained. Panels are UV-stabilised to avoid fading and offer high levels of electrical and thermal insulation.

AM-Clad Hygienic achieves the highest fire rating in the US, UK and EU. It is Class 1 fire-rated and achieves a Class 0 rating when fixed to a non-combustible surface.

All sheets must be fitted to a plumb surface using AM-Clad adhesives and can be fitted over existing ceramic tiles, brickwork, blockwork, plaster walls and boarded-out stud partitions.

AM-Clad Hygienic has been used in thousands of successful installations for leading brands including Coca-Cola, Nestlé, Britvic, Walkers Crisps and McDonald's restaurants. The hygienic performance has a 30 Year Guarantee.

For further information or technical advice:

Call (866) 996-7563
Email: yorkshore@yorkshore.com
www.yorkshore.com

AM-Clad Hygienic PVC is trusted worldwide by leading building contractors, architects, specifiers and surveyors and we are experts in cladding solutions and all aspects of safety and hygiene performance.

Suitable for:
commercial kitchens, food and drink manufacturers, food counters, school canteens, changing rooms, WCs, corridors, industrial manufacturing plants, offices, sports clubs, restaurants, leisure centres, hotels, laboratories, surgeries, pharmacies, care homes and mortuaries.

Description

am-clad
hygienic pvc wall cladding

Extruded semi-rigid UPVC sheet

Performance: Foodsafe and UV stabilised.

Colours: White and a full range of subtle and bold colours.

Surface finish: Smooth, satin finish. Gloss finish options on request.

Measurements

2.5mm AM-Clad Hygienic PVC:

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 m^2

Service temp: -10°C to +60°C

Flammability

AM-Clad Hygienic 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	B1
BS 476/7	Class 0
NSP 92501,5	M1
ASTM E 84	Class A

Chemical Resistance

High resistance to mineral acids, alkalis, plating solutions, paper making chemicals, pickling solutions, inorganic solutions and fumes. Good resistance to alcohols, aliphatic hydrocarbons, glycols, amines, phenols. Not recommended for contact with ketones, chlorinated solvents, aromatic hydrocarbons, some esters and ethers.

Surface Preparation

Sheets should be fitted to a plumb surface and can be fitted over existing tiles, brickwork, blockwork, plaster walls and boarded-out stud partitions. The sheets fix directly to the dry substrate using AM-Clad adhesives.

Cutting and Drilling

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

Joints

Sheets are fixed using PVC 'H-Divider' joints and end trims. Hot welded joints are occasionally recommended, but are not needed for standard installations. Powder coated aluminium 'H-Divider' joints offer a robust and stronger alternative for high traffic areas where impacts are likely. We can advise you on whether welded joints are suitable. See the current AM-Clad Installation Guide for full instructions.

Corners

Sheets can be expertly thermoformed on-site ensuring a professional finish and minimising edge joints around corners, windows and doors. Thermoforming requires temperatures between 130°C and 170°C. External corners in high traffic areas can also be over-clad with robust chequerplate corner protectors.

Temperature

AM-Clad Hygienic sheets have 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

The fully updated range of AM-Clad colours and surface finishes can be seen in our current 6-page Specifiers Guide which is available now on request.

We offer a wide range of subtle and vibrant colours with a practical and attractive satin finish. Gloss finish sheets are also available on request and are subject to minimum order quantities.

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Technical Data

AM-Clad Hygienic 2.5mm PVC Cladding Sheet

Property	Test 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	6.7×10^{-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 Yorkshore for a quote today
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