am-clad
premium cladding systems

Yorkshore
COMMERCIAL INTERIORS

PRODUCT DATA SHEET

PRINTED ON PVC • DURABLE COATING •

MANUFACTURED IN THE UNITED KINGDOM

am-clad vision
decorative wall cladding system

AM-Clad Vision 2.5mm

Super high resolution printed panels with tough hygienic coating

www.yorkshore.com

AM-Clad Vision gives you the freedom to select any image you can imagine.

AM-Clad Vision 2.5mm Printed PVC Hygienic Cladding Sheet

am-clad
decorative wall cladding system

The AM-Clad Vision 2.5mm printed hygienic PVC wall cladding system opens up a new world of decorative cladding options for hygiene-critical, food safe, leisure and wet room environments.

The system incorporates premium grade solid PVC, advanced high resolution print technology and a hardwearing protective coating that is proven in commercial environments.

AM-Clad Vision is designed to withstand the day-to-day working conditions in hospitals, restaurants, hotels, spas, leisure centres, corporate offices, museums, schools and many more places.

It is a decorative solution that allows for the personalisation of hospital departments, corporate environments and leisure or retail facilities.

AM-Clad Vision is ideal for both dry and wet environments. For example it can be used to create colourful feature walls which will brighten up an entrance, reception or waiting area in a medical, corporate or retail environment. It can also be used in shower rooms, changing rooms, rest rooms, bathrooms, wet rooms, locker rooms, spas and indoor pool surrounds.

Panels are UV-stabilised to avoid fading and are chemical and impact resistant. 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.

For further information or technical advice:

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

AM-Clad Vision offers you unlimited scope in personalising large and small areas with high resolution printed hygienic wall cladding panels. It is available worldwide and offers a selection of attractive designs including tile, brick, marble and fabric, as well as the option to use your own high resolution photographs and graphics.

Suitable for:
hospitals, restaurants, hotels, changing rooms, WCs, changing rooms, wet rooms, indoor pool surrounds, offices, sports clubs, leisure centres, museums, public buildings.

Description

am-clad
decorative wall cladding system

Extruded semi-rigid printed PVC sheet

Performance: Hygienic, Foodsafe and UV stabilised.

Colours: Full range of premium designs and bespoke options.

Surface finish: Smooth Satin.

Measurements

2.5mm AM-Clad Vision 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 Vision 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. Powder coated aluminium 'H-Divider' joints offer a robust and stronger alternative for high traffic areas where impacts are likely. 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 Vision sheets have a maximum working temperature of 60°C. We do not recommend AM-Clad Vision for commercial kitchens or places where higher temperatures are generated by appliances or machinery.

Designs

The fully updated range of AM-Clad Vision designs can be seen in our current 8-page Decorative Cladding Guide which is available now on request.

We offer a wide range of super high resolution designs including tiles, brick, wood, marble and fabric.

AM-Clad Vision also allows you to choose any combination of high resolution photographs, logos and graphics to make your walls unique and establish a bespoke identity within a small or large area.

Coating Technical Data

am-clad
decorative wall cladding system

Coating Adhesion

Using test method **ASTM D3359** and **DN53 15**.

Material	Adhesion on application	Adhesion after 72hr water soak
PVC	100%	100%

Chemical Resistance

Using **ISO** test method **2812**.

This test was completed at **15 minute intervals** for **8 hours** and then left for a total of **24 hours**.

Chemical	Result
Ketones	Passed
Alcohols	Passed
Esters	Passed
Glycol ethers	Passed
Aromatics	Passed
Aliphatics	Passed
Alkalis	Passed
Acid	Passed
Diesel	Passed
Petrol	Passed

Light Transmittance – Clear Only

This is dependent on the substrate to which it is applied but the coating itself typically reduces the light transmission by **less than 1%** .

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Technical Data

AM-Clad Vision 2.5mm Printed PVC Cladding

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 x 10-5^5
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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Contact Yorkshore for a quote today

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www.yorkshore.com

Yorkshore Commercial Interiors, 3551 W. 1st Street, Sanford, FL 32771.

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