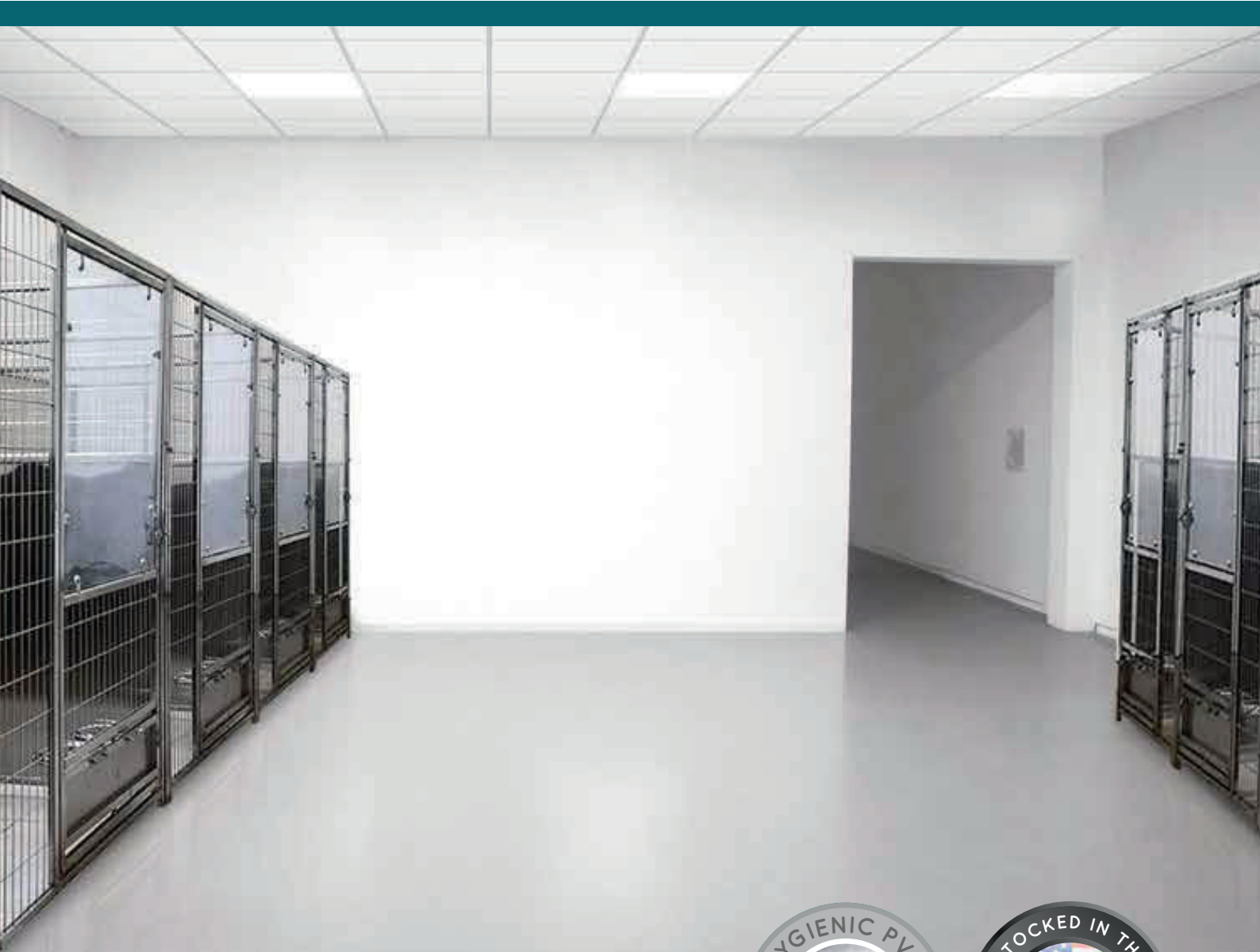




am-clad
premium cladding systems



PRODUCT DATA SHEET



am-clad
hygienic pvc wall cladding

Cracked Ice

Textured PVC, hygienic wall lining system

AM-Clad.com



AM-Clad Cracked Ice White PVC Cladding Panel



AM-Clad Cracked Ice white PVC is an international best-selling alternative to Fiber Reinforced Plastic (FRP).

It has a hygienic textured, foodsafe surface and is proven across several sectors, including Quick Service Restaurants (QSR's), restaurant kitchens, food processing and storage areas, manufacturing industry, agriculture, retail, commercial premises and leisure facilities – gyms, spas and swimming pool surrounds.

The textured 'cracked ice' surface is similar in appearance to FRP, but our solid PVC sheets delivers a superior wall lining performance.

AM-Clad Cracked Ice PVC panels are:

- Safe – no risk of glass fibre contamination
- Impact resistant – will not scratch or crack
- Waterproof and stain/chemical resistant
- Flexible – can be thermoformed at corners
- Fire resistant – highest rating: ASTM E-84 – Class A
- UV resistant and colourfast – will not fade
- USDA/FDA food contact guidelines compliant
- Safe for animals – e.g. farms, kennels etc.
- Guaranteed for 20 years
- Sustainable – PVC is 100% recyclable

Unlike FRP, AM-Clad Cracked Ice panels are not brittle and will not break or crack in vulnerable areas – near pipes, fittings and joints.

Cracked Ice offers superior flexibility and can be thermoformed around corners. This minimizes the number of joints between the panels and improves the hygienic performance of the system.

For further information or technical advice:

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AM-Clad Cracked Ice 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.

Limitations of FRP

FRP is brittle and can crack or break under stress (around pipes etc.). This releases harmful glass fibers into the air. FRP cannot be thermoformed around corners, window recesses and door frames. FRP requires vulnerable trim joints at all corners and joints (which can harbour bacteria), increasing the risk of contamination during installation and when in use.

Extruded semi-rigid textured UPVC panel

Performance: Robust, foodsafe and UV stabilised.

Colour: Bright White.

Surface finish: Textured, 'cracked ice'.

Measurements

2.2mm AM-Clad Hygienic PVC:

2438mm (8') x 1220mm (4') x 2mm & 2.5mm

3048mm (10') x 1220mm (4') x 2mm & 2.5mm

Weight: 3.5 kg per m²

Service temp: 57°F to 140°F

Flammability

AM-Clad Cracked Ice is self-extinguishing and complies with the most demanding international fire resistance standards defined for plastics, as shown below.

Panel

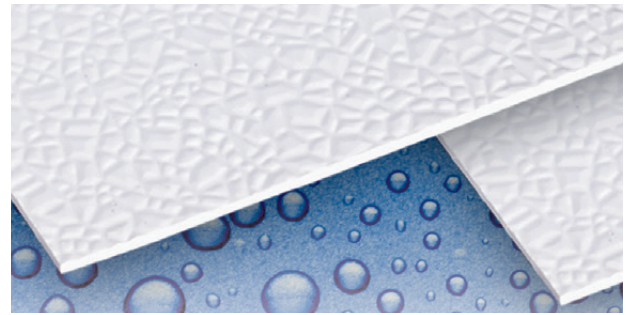
Standard:	Classification:
ASTM E-84	Class A
EN 13501	B, s3, d0
DIN 4102	B1
BS 476/7	Class 0
NSP 92501,5	M1

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. USDA/CFIA approved - can be used in federally inspected food processing plants.

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

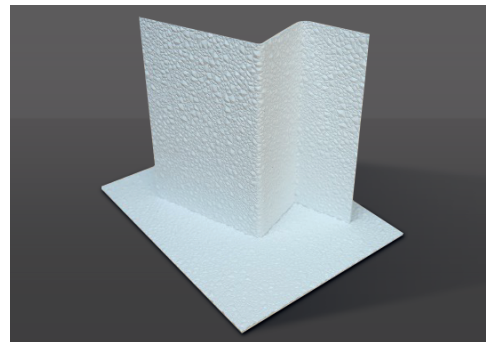
Panels can be cut to size using an appropriate saw. See the current AM-Clad Installation Guide for full details. The protective film should be left in place. Use slow drill speeds to penetrate the panel and leave a 3mm to 4mm expansion gap around pipes etc.

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. We can advise you on whether welded joints are suitable. See the current AM-Clad Installation Guide for full instructions.

Corners

AM-Clad Cracked Ice sheets are flexible (see photograph below) can be expertly thermoformed on-site ensuring a professional finish and minimising edgejoints around corners, windows and doors. Thermoforming requires temperatures between 266°F and 338°F.



Temperature

AM-Clad Cracked Ice PVC panels have a maximum working temperature of 140°C. For higher temperatures (e.g. open flame, griddle and oven areas in kitchens, boiler rooms and manufacturing areas) we recommend stainless steel panels.

Technical Data

AM-Clad Cracked Ice PVC Panel

Property	Test Method	Typical Value
Water absorption	D-570	<.3%
Flame spread	E-84	Class A
Smoke developed	E-84	Class A
Notched Izod Impact	D-256	26 lbf
Shore hardness	D-2240	80
Coefficient of exp.	D-696	3.7 x 10 ⁻⁵ in./in./°F
Tensile strength	D-638	7250 PSI
Heat deflection	D-648	145°F
Tensile modulus	D-638	420,600 PSI
Service temperature		57°F to 140°F

