

# 10mm PVC cladding can transform any building interior into a world-class hygienic environment



Explore the unlimited potential of expertly installed 10mm white PVC

- ✓ **PERFECT FOR LINING** hygiene-critical production areas for food & drink, engineering and robotics.
- ✓ **IDEAL FOR** kitchens, restaurants, hotels and spas for WCs, changing rooms, wet rooms and pool areas.
- ✓ **REDUCED SITE PREPARATION** – we can install over rough and uneven surfaces (see photo above).
- ✓ **ROBUST PROTECTION** for hospitals, surgeries, care homes, laboratories mortuaries, vets and kennels/catteries.
- ✓ **LONG TERM SOLUTION** for supermarket back-of-store areas, warehouses and storage areas.
- ✓ **LOW MAINTENANCE FIT-OUT SOLUTION** for schools, universities, council buildings, prisons, barracks etc.

For further information or technical advice

Call 01274 578 051 | Email: [andy@hygienee.com](mailto:andy@hygienee.com) | Visit: [www.hygienee.com](http://www.hygienee.com)

# 10mm white PVC can permanently transform any interior

**In the last three years we have been specifying and installing 10mm PVC hygienic cladding in the production areas of the world's leading brands.**

In the expert hands of Hygienik team, 10mm can be thermoformed to create a perfect finish and transform the interior of an aging building into a world class, hygiene-critical production environment that meets international standards.

10mm is versatile and robust. The rigid sheets hide imperfections in wall surfaces and also offer high levels of impact-resistance.

It can be installed directly over blockwork and can be fixed to any substrate – including direct to Gyproc studding, around supporting columns/beams and within roof voids.

Rough and uneven interior walls are covered with a smooth low maintenance surface that is food safe and colour-fast. 10mm creates a pristine finish that will not fade.

10mm is a reliable performer and offers exceptional performance and great value for money when compared to 2.5mm and 3mm PVC sheets and any alternative wall covering.

White 10mm is our best-seller and we can also colour-match any corporate colour when a sufficient quantity is ordered.

## What makes 10mm so good?

- Pristine food safe hygienic finish
- Durable and impact-resistant
- Strong sealed joints maintain a hygienic environment
- Fixes direct to any substrate - reducing preparation time
- Easy to clean – low maintenance
- Thermoforming can create bespoke angles
- Outstanding value for money compared to alternative cladding options
- Proven in aerospace and food and drinks manufacturing facilities
- Proven in hospitals, schools, supermarkets, restaurants and hotels.



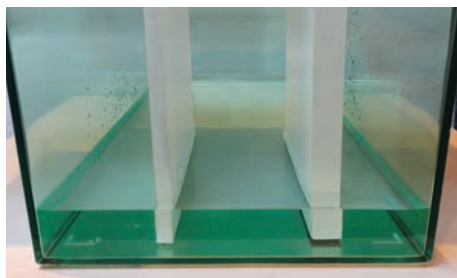
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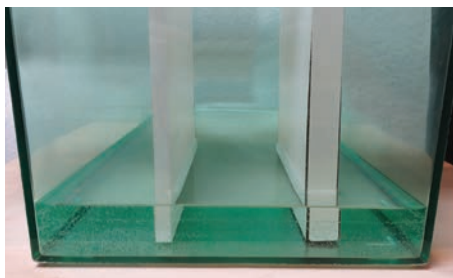
# 10mm PVC v 18mm MDF

## PVC repels liquids and bacteria

## MDF seams split and rot



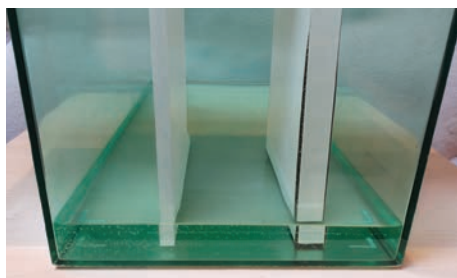
▲ Day 1 PVC (left) and MDF (right) in water



▲ Day 2 The MDF seams split



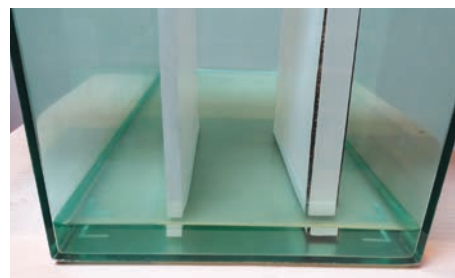
▲ Day 4 Damp expands and warps the MDF



▲ Day 6 The MDF split widens



▲ Day 7 The 10mm PVC (right) is unaffected



▲ Day 14 10mm is pristine, MDF is split

**MDF panels are a popular choice in kitchens, restaurants, changing rooms and WCs. They are easy to fix and cost-effective.**

The problem with MDF arises when water or damp penetrates the seal and bacteria begins to degrade the internal chipboard beneath the outer surface.

The damp chipboard will quickly expand and burst its seams, allowing bacteria to grow in the exposed areas. Once the rot sets in the condition of the panel will deteriorate as the bacteria multiply.

MDF often fails in areas that are hidden from view (e.g. behind sinks, WCs or kitchen equipment) and so bacteria can build up over many months, posing a real threat to hygiene long before the problem is detected.

Once the MDF panels have failed they need to be ripped out and replaced, potentially causing disruption to the working hours of the kitchen or restaurant.

## 10mm v MDF

To illustrate the difference between the performance of 10mm PVC and MDF, we immersed two off-cuts in clean water for two weeks.

The photos above prove that 10mm PVC is impervious to liquid, steam and damp, while the MDF expands, warps and harbours bacteria. PVC will not allow bacteria to penetrate or grip the surface and propagate.

When fitted correctly, PVC is an attractive, hard-wearing, easy to clean, low maintenance solution that will not let you down in a hygienic environment.

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# 10mm v ceramic tiles

## Tiles/grout can crack and fail

## PVC is robust and low maintenance



▲ This happens when water seeps behind ceramic tiles



▲ 10mm reduces installation time and will not fail

### Ceramic tiles

Ceramic tiles have always presented specifiers and construction teams with frustrations – firstly during installation delays and secondly when assessing performance.

#### Installation

The use of specialist grinders and tile-cutters takes time and creates dust on site. The two-stage application of cement adhesive and then grout also adds hours and days to every project. Specialist wet trade teams are required.

#### Performance

In heavy-use environments, the grout around ceramic tiles can soon discolour and harbour bacteria. After a few years, cracked tiles or grout failure can allow water to seep behind the tiles and lead to expensive running repairs or a complete re-fit.

### 10mm PVC cladding

10mm PVC hygienic cladding sheets create a durable 100% waterproof finish. It is a simple and cost-effective alternative to ceramic tiles. Sheets can be installed in less than the half the time it takes to glue on and grout ceramic tiles.

#### Easy installation

10mm PVC can be cut to size, thermoformed and glued directly to almost any substrate – including existing ceramic tiles, plaster, stud wall, brick and breeze block. We use quality adhesives, sealants and edge/divider trims to create a perfect finish.

#### Durable performance

The colourfast sheet is impact-resistant and UV-resistant. It is easy to wipe clean with a damp cloth and unlike grouted areas it will not harbour bacteria.

**Specify 10mm and reduce installation time by over 50%**



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# NBS SPECIFICATION CLAUSE FOR HYGIENIK 10MM H-PANEL – 01.02.12

## K13 Rigid sheet fine linings and panelling

### TYPES OF LINING AND PANELLING

#### 160 PROPRIETARY FOOD SAFE PANELLING

• **Substrate:**

- Type: Flat and Plumb Brickwork  
Blockwork Plastered /  
Rendered Walls /  
Boarded out stud Partitions.
- Preparation: Walls should be flat and plumb.

• **Panels:**

- Supplier: Hygienik Systems Limited  
10-14 Ward Street, Bradford,  
West Yorkshire BD7 3PR  
Telephone: 01274 578 051  
Email: matt@hygienee.com  
www.hygienee.com

• **Product reference:**

- K-Panel
- Board/ Panel type: UPVC  
Foodsafe, Class 1 Fire Rated  
Panel
- Thickness: 2mm, 2.5mm, 3mm
- Core material: UPVC.
- Panel Width: 1220mm wide
- Panel Heights: 2400mm, 3000mm
- Colour: White, Blue, Green, Ivory,  
Grey, Various patterned effects on  
request
- Moisture content at time of fixing:  
As recommended by fabricator to  
suit environmental conditions.
- Edge treatment: Square.

- **Installation:**
  - Method of fixing panels:  
Mechanically Fixed using PVC  
Carriers.
  - Joint treatment: K-Panel PVC  
Divider Bar.

- **Included features:** EEC Food Hygiene Directive 64/483  
Compliant.

- **Accessories:** Coved Skirtings, Food Safe Sealant  
to Perimeter Joints.

## GENERAL REQUIREMENTS

### 260 ENVIRONMENTAL CONDITIONS

- General requirements prior to starting work  
specified in this section:
  - Building weathertight; wet trades completed and  
affected areas dried out.
  - Wet trades completed and affected areas dried out.
- Temperature and humidity before, during and after  
fixing lining / panelling:
  - Temperature maintained at levels approximating to  
those which will prevail after the building is occupied.

## FABRICATION / FIXING / FINISHING

### 310 ACCURACY OF FABRICATION

- Site dimensions: Take as necessary before starting  
fabrication.
- Discrepancies with drawings: Report without  
delay and obtain instructions before proceeding.

### 340 HOLES / CUT-OUTS IN LAMINATED PLASTICS VENEERS

- Internal corners: Formed to a radius, minimum 5  
mm when not specified otherwise.
- Holes for fasteners: Formed slightly oversize.

### 350 FIXING LININGS AND PANELLING

- Setting out: Accurate, true to line and level, free from  
undulations and lipping, with lines and joints aligned,  
straight and parallel unless specified otherwise.
- Movement allowance: Adequate for future moisture  
and temperature movement of boards.
- Fixing of panels: Secure, to prevent pulling away,  
bowing, or other movement during use.
- Methods of fixing and fasteners: As section Z20  
unless specified otherwise.
- Trims: Wherever possible, to be in unjointed lengths  
between angles or ends of runs.
  - Running joints: When these are unavoidable,  
submit proposals for location and jointing method.
  - Angle joints: Mitred, unless specified otherwise.

## DELIVERY

- 400 • Do not deliver components to site and do not  
remove protective packaging / coverings until  
immediately before required for fixing.
- Stack boards and panels flat on bearers and  
separated by spacers where necessary to prevent  
damage to or from projections.
- Keep components and completed linings /panelling  
clean and dry, and protect from physical damage  
until practical completion.

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