



HYGIENIC AND DECOR

# Wall Cladding Brochure







## A b o u t   U s

Plastic Solutions is a division of Print Solutions company that has been operating for over 70 years supplying materials to industrial printers and sign makers throughout Ireland.

Our plastics division was established in 2013 to service the growing demand for polycarbonate and acrylic sheet used by sign makers, shop fitters, point of sale fabricators and the general public. We quickly expanded to include Multiwall Polycarbonate and Wall Cladding Sheets.

We employ key product sales specialists that can offer direct, technical support and application advice on any specific install.



We are certified members of:



HYGIENIC

**Hyg-ie-Clad**  
*Standard*

**Hyg-ie-Clad**  
*Premium*

**Hyg-ie-Clad**  
*Antimicrobial*

**PalClad**  
*Standard*

**PalClad**  
*Prime*

**PalClad**  
*Prime*  
*Antimicrobial*

DECOR

**Hyg-ie-Clad**  
*Printed*

**Komacel**  
*Standard*

**Komastyle**  
*Uni*

**Komastyle**  
*Deco*

**Komastyle**  
*Design*

**Coverstyl'**

ACCESSORIES

**Trims**

**Adhesives**

**Wall  
Protection  
System**



# WALL CLADDING

Distinctive, affordable and easy

# HYGIENIC CLADDING

Protect your indoor  
spaces quicker.







# HYG|ie|CLAD

## STANDARD

### THE COST-BENEFIT SMOOTH WHITE HIGH QUALITY HYGIENIC SHEET.

**Hyg-ie-Clad is Plastic Solutions' own branded PVC cladding sheet.** It is a smooth white hygienic panel that offers the perfect cladding solution for strict hygienic applications such as commercial kitchens and food preparation sectors.

#### KEY FEATURES:

- Smooth surface
- Very good for bonding
- Impact resistance
- Lightweight
- Waterproof
- Good printing qualities
- Easy to assemble
- 10 year warranty for indoor use



FIRE RATING: C S3 D0



100% RECYCLABLE



*With Hyg-ie-Clad, you can be assured that you are creating a high hygienic environment.*

#### DIMENSIONS:

- Thickness: 2.5 mm
- Sizes available: 1220 x 2440mm  
1220 x 3050mm
- Colours: Standard White

#### APPLICATIONS:

- Commercial Kitchens
- Dairy Milking Parlours
- Wet Rooms
- Nursing Homes
- Childcare
- Digital printing



HYGIENIC



Hyg-ie-Clad application examples

# HYG|ie|CLAD

## PREMIUM

THE HIGH QUALITY SHEET FOR  
YOUR NEXT PROJECT.

### Hyg-ie-Clad Premium is Plastic

**Solutions' own CE certified sheet.** It is a smooth white hygienic panel that offers the perfect cladding solution for strict hygienic applications such as commercial kitchens and food preparation sectors.

### KEY FEATURES:

- Smooth surface
- Very good for bonding
- Impact resistance
- Lightweight
- Waterproof
- Good printing qualities
- Easy to assemble
- 10 year warranty for indoor use



### DIMENSIONS:

- Thickness: 2.5 mm
- Sizes available: 1220 x 2440mm  
1220 x 3050mm
- Colours: Standard White  
Colours on request

### APPLICATIONS:

- Commercial Kitchens
- Dairy Milking Parlours
- Wet Rooms
- Care Homes
- Childcare
- Digital printing



FIRE RATING: B S3 D0



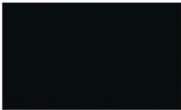
100% RECYCLABLE



Gloss



White (similar to RAL 9016)



Black (similar to RAL 9005)



Yellow (similar to RAL 1021)



Red (similar to RAL 2002)



Green (similar to RAL 6005)



Blue (similar to RAL 5010)



Dark grey (similar to RAL 7011)



Light grey (similar to RAL 9006)

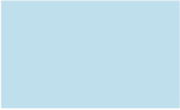
Pastel



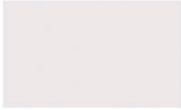
Oyster



Green



Blue



Grey



Seafoam



Light grey



Hyg-ie-Clad Premium application examples

HYGIENIC

# HYG|ie|CLAD



## ANTIMICROBIAL

THE COST-EFFICIENT HYGIENIC,  
ANTIMICROBIAL CLADDING  
SHEET.

**Hyg-ie-Clad Antimicrobial is our Hyg-ie-Clad own branded sheet with Biomaster Antimicrobial Technology.**

This antimicrobial additive is applied to the sheet during the manufacturing process. It prevents the growth of harmful micro-organisms. Biomaster is a durable protection for the life span of the sheet product.

### APPLICATIONS:

- Healthcare centres
- Medical facilities
- Commercial Kitchens
- Food Processing Plants
- Wet rooms
- Pharmaceutical Areas

CE Mark according to EN 13045-2  
10 year warranty for indoor use



FIRE RATING: B S3 D0



100% RECYCLABLE

*Our antimicrobial system fulfills stringent hygienic requirements.*

### DIMENSIONS:

- Thickness: 2.5 mm
- Sizes available: 1220 x 2440mm  
1220 x 3050mm
- Colours: Standard White and  
Colours on request

### HOW BIOMASTER WORKS:

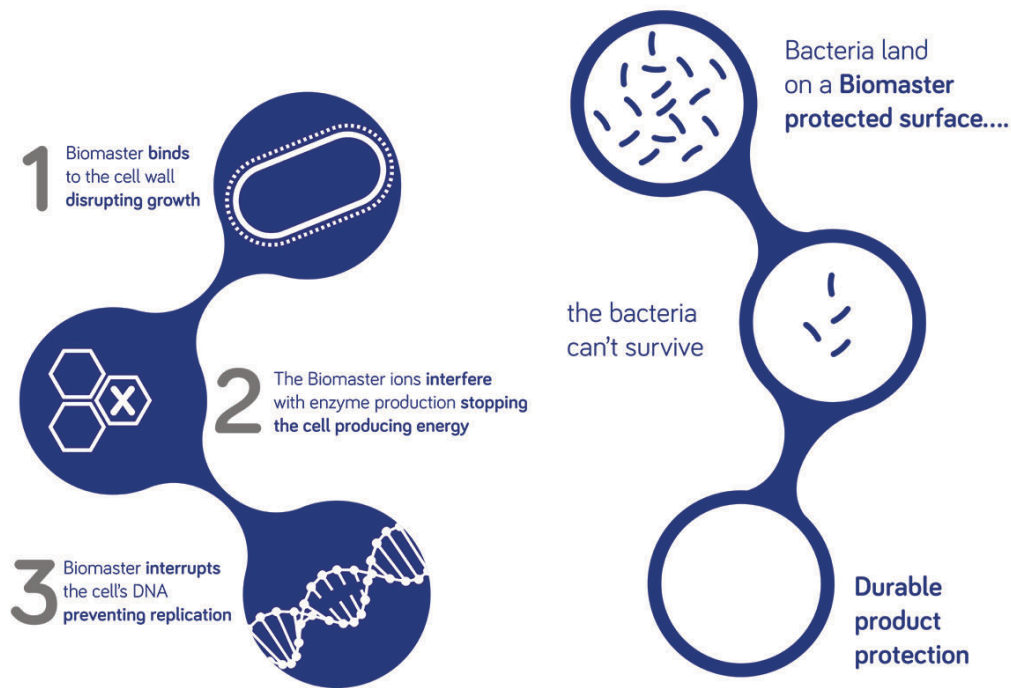
Unlike some antimicrobial agents, **Biomaster is incredibly durable, long lasting and highly active.** When added, it is dispersed throughout the entire sheet and becomes an integral part of the product.

Silver is inorganic and non-leaching which means that, unlike organic antimicrobial agents/technologies, it stays within the item to which it is added.

The controlled release of the active ingredient provides antibacterial protection for the lifetime of the product.



How biomaster works



Hyg-ie-Clad Antimicrobial application examples

HYGIENIC





# PALCLAD™

## STANDARD

A PRACTICAL AND COST-BENEFIT  
SOLUTION TO A CLEAN AND SAFE  
ENVIROMENT.

The PALCLAD™ Standard system provides many mechanical benefits that simplify cleaning and maintenance of indoor spaces.

### KEY FEATURES:

- High impact resistance
- Smooth satin finish with low reflective surface
- Withstands repeated cleaning cycles
- Full hygienic cladding system including colour matched profiles, weld rods, sealants, and adhesives
- High electrical and thermal insulation
- 10 year warranty



### DIMENSIONS:

- Thickness: 2.5 mm
- Sizes available: 1220 x 2440mm  
1220 x 3050mm
- Colours: Standard White

### APPLICATIONS:

- Public facilities
- Food industry
- Agriculture
- Healthcare
- Sterile/clean rooms
- Wet Rooms



FIRE RATING: B S3 D0



100% RECYCLABLE



HYGIENIC

PalClad application examples



# PALCLAD™

PRIME

A PRACTICAL, COST-EFFICIENT AND COMPREHENSIVE SOLUTION FOR MAINTAINING A CLEAN AND SAFE ENVIRONMENT.

The PALCLAD™ Prime system provides many mechanical benefits that simplify cleaning and maintenance and enhance long-term aesthetics, including exceptional resistance to impact, chemical substances, moisture, stains, and spills.

## KEY FEATURES:

- High impact resistance
- Smooth satin finish with low reflective surface
- Withstands repeated cleaning cycles
- Full hygienic cladding system including colour matched profiles, weld rods, sealants, and adhesives
- High electrical and thermal insulation
- 10 year warranty



*A non-toxic, complete cladding solution with colour-matched installation profiles or welding rods available.*

## DIMENSIONS:

- Thickness: 2.5mm
- Sizes available: 1220 x 2440mm  
1220 x 3050mm

## APPLICATIONS:

- Public facilities
- Food industry
- Agriculture
- Healthcare
- Sterile/clean rooms
- Wet Rooms



FIRE RATING: B S3 D0



100% RECYCLABLE





### PALCLAD™ Prime



Jade | LRV 33



Granite | LRV 6



Peacock | LRV 10



Dolphin grey | LRV 29



Enchanted | LRV 34



Bluebird | LRV 8



Siren | LRV 3



Candy floss | LRV 13



Sugar Plum | LRV 1



Black Ice | LRV 0

### White



Palclad Porcelain White | LRV 83

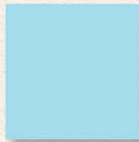


Gloss White\* | LRV 87

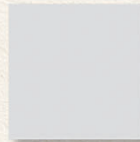


Palclad™ M660\* | LRV 77

### Pastels



Blue | LRV 52



Grey | LRV 54



Cream | LRV 66



Mint | LRV 70



HYGIENIC



PalClad Prime application examples



# PALCLAD™ HYG

## PRIME ANTIMICROBIAL

HIGHER STANDARD FOR HYGIENIC CLADDING AND FACILITIES HIGH LEVELS OF SANITATION.

HYG products incorporate silver ions, a natural antimicrobial agent with proven biocidal behaviour that highly inhibits microbe reproduction. With silver ions, **HYG sheet brings active microbes elimination to a whole range of applications, taking hygienic care one step further.**

### KEY FEATURES:

- Active protection from various microbes
- Biocidal capabilities proven by independent tests
- Long lasting antimicrobial effect
- HYG properties are maintained throughout the product's lifetime
- 10 year warranty



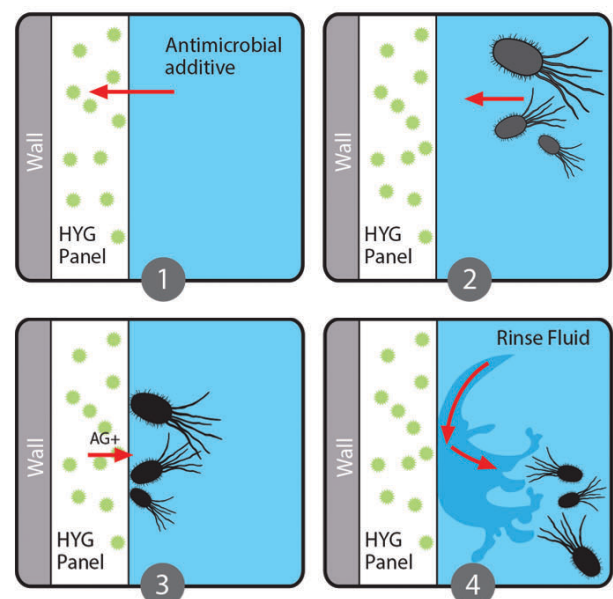
FIRE RATING: B S3 D0



100% RECYCLABLE

### HOW HYG TECHNOLOGY WORKS:

Silver ions are incorporated into the PVC compound before the extrusion process and improve the inherent antimicrobial quality of the rigid PVC panel. They enable the panel to kill a wide variety of microbes on contact, including those resistant to antibiotics.



1. Installed as wall cladding
2. Microbes approach the wall
3. Upon contact, active silver ions are transferred onto the microbes, cease their mitosis and ultimately eliminate them
4. Dead microbes are removed by simple cleaning routine.

Same dimensions and colours of PalClad Prime.





HYGIENIC

PalClad Antimicrobial application examples



# DECOR CLADDING

Transform your indoor  
spaces quicker.









# HYG|ie|CLAD

## PRINTED

PREMIUM PRINTED WALL  
CLADDING SYSTEM FOR ALL  
INTERIOR DESIGN AREAS.

Using latest digital print technologies, it is possible to direct print Hyg-ie-Clad sheet, offering a unique branding, display or aesthetic option.

### KEY FEATURES:

- Smooth surface
- Very good for bonding
- Impact resistance
- Lightweight
- Waterproof
- Good printing qualities
- Easy to assemble
- 10 year warranty for indoor use



*Make any space unique.*

### DIMENSIONS:

- Thickness: 2.5 mm
- Sizes available: 1220 x 2440 mm  
1220 x 3050 mm
- Check with our team about our printing process.

### APPLICATIONS:

- Interior Rooms
- Shower Wall Panel
- Hotel Lobby Areas
- Creches
- Retail Signage



FIRE RATING: C S3 D0



100% RECYCLABLE





Hyg-ie-Clad Printed application examples

KOMACEL IS THE WORLD'S  
NUMBER 1 PVC SHEET USING  
THE CELUKA EXTRUSION  
PROCESS.

The products unique properties are down to a combination of a tough solid outer skin and a cellular core manufactured in a single process from the same material. Good flexural strength and excellent processing properties make these sheets the **perfect material for a wide range of indoor and outdoor applications.**

#### KEY FEATURES:

- Good Acoustic insulation
- Low thermal conductivity
- Resistant to chemical and corrosion
- Low water absorption
- Excellent direct printing results
- Lightweight and easy installation
- 10 year warranty for indoor use

#### DIMENSIONS:

- Thickness: 4 to 30mm
- Wide range of sizes available
- All the range subject to request
- White and Black with a gloss finish

#### APPLICATIONS:

- Prefabricated Buildings
- Food Preparation Areas
- Dairy Milking Parlours
- Wet Rooms and Showers
- Chemical and Laboratories
- Vehicle conversion
- Furniture manufacture



FIRE RATING: B S3 D0



100% RECYCLABLE





DECOR

Komacel application examples



## KÖMASTYLE UNI

THE UNI RANGE ARE ANTI-FINGER-PRINT THERMOFORMABLE AND SCRATCH RESISTANT.

The KömaStyle UNI sheets have a glass-like coating and are available in gloss or matt. The panels are made as a composite sheet of Foam and Rigid PVC to give a **high strength and high impact panel with a long service life.**

### APPLICATIONS:

- Wet rooms
- Shower wall panels
- For the redesign of interior rooms in
  - o Hotels
  - o Wellness areas
  - o Hospitals
  - o Swimming pools

### DIMENSIONS:

- Thickness: 8 mm
- Sizes available: 2500 x 1250 mm  
3000 x 1250 mm
- Plain colours in gloss and matt

### KEY FEATURES:

- Can be machined with all woodworking tools
- Quick to fix and lightweight
- Very good bonding
- Moisture and chemical resistant
- Easy to clean
- Resistant to mould and termites
- High durability
- For indoor use only
- 5 year warranty for bathrooms and spa areas



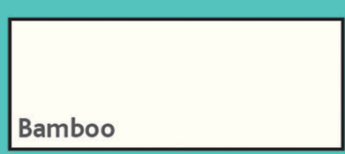
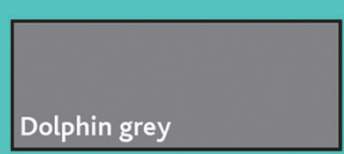
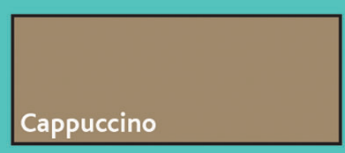
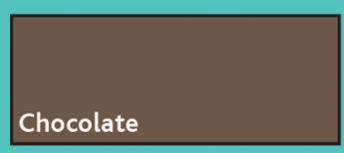
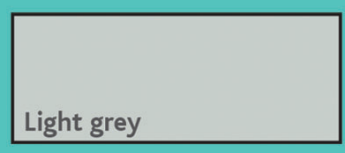
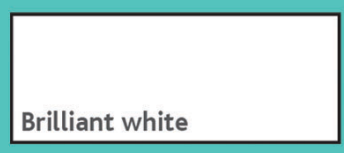
FIRE RATING: D S3 D2



100% RECYCLABLE



Colours:



DECOR

Komastyle UNI application examples

## KÖMASTYLE DECO

CAN BE INSTALLED WITH MINIMAL  
LABOUR COSTS IN NEW BUILD AND  
REFURBISHMENT PROJECTS.

KömaStyle Deco is a combination of an  
integral PVC foam sheet coated with  
**decorative films**. These panels are  
resistant to moisture, chemicals, light and  
heat. The system is lightweight, easy to  
handle and install.

### KEY FEATURES:

- Simple manufacture that can be machined with all woodworking tools
- Very good bonding
- Scratch and abrasion-resistant
- Lightweight and easy to clean
- Resistant to mould and termites
- High durability
- For indoor use only
- 5 year warranty for bathrooms and spa areas

### DIMENSIONS:

- Thickness: 8 mm
- Sizes available: 2500 x 1250 mm

### APPLICATIONS:

- Wall cladding in sanitary areas
- Shower Walls
- Prefabricated bathrooms and showers
- For the redesign of interior rooms in
  - o Hotels
  - o Wellness areas
  - o Nursing homes
  - o Swimming pools
- Front of House Areas



The Komacel used in Komstyle Deco is fire rated as C S3 D0 as standard and can be produced to meet B S3 D0 upon request. The laminate used in Komasytle Deco is not Fire Rated.



100% RECYCLABLE





Oak rustical



Old Oak



Oak vintage



Light Oak



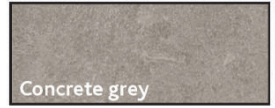
Granite



Rusty brown



Concrete light grey



Concrete grey



Concrete ceramico



Stone grey ceramico



Structure pearl cross



Structure steel grey cross



Leather brown



Texture vintage grey



Texture vintage brown



Uni white



Uni yellow



Uni anthracite



Uni light grey



Komastyle Deco application examples

## KÖMASTYLE DESIGN

KOMASTYLE DESIGN BRINGS  
PRINTED WALL AREAS ALIVE WITH  
VIBRANT IMAGES AND COLOURS.

The KömaStyle Design sheets are created by printing on a Komacel substrate with a high gloss coating to enhance the **image and colour definition**.

### KEY FEATURES:

- Simple manufacture that can be machined with all woodworking tools
- Very good bonding
- Moisture and chemical resistant
- Scratch and abrasion-resistant
- Lightweight and easy to clean
- Resistant to mould and termites
- High durability
- For indoor use only
- 5 year warranty for bathrooms and spa areas

### DIMENSIONS:

- Thickness: 8 mm
- Sizes available: 3000 x 1250 mm
- Customised print over one or more sheets

### APPLICATIONS:

- Wall cladding in sanitary areas
- Shower Walls
- Prefabricated bathrooms and showers
- For the redesign of interior rooms in
  - o Hotels
  - o Wellness areas
  - o Swimming pools
- Front of House Areas



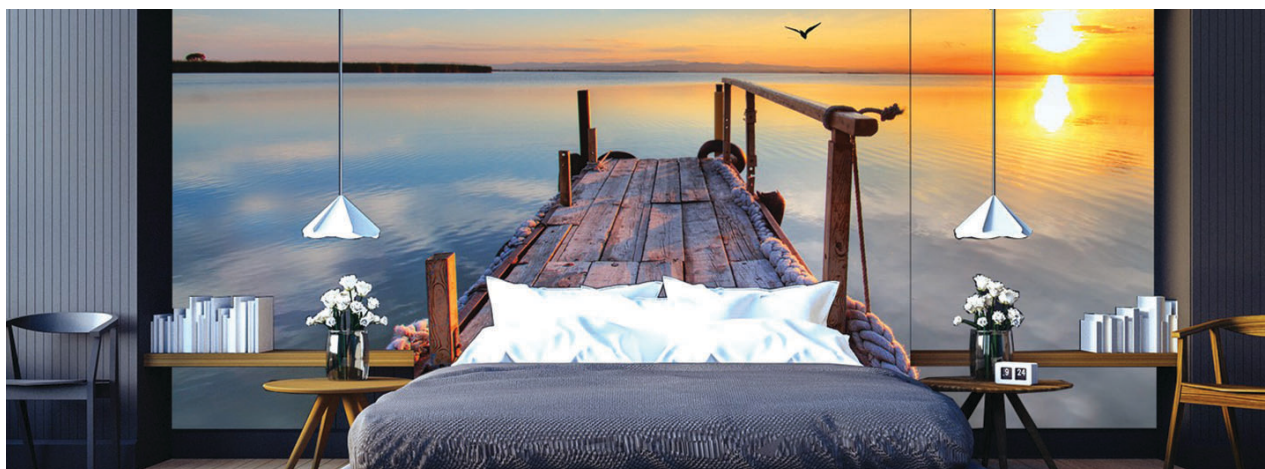
FIRE RATING: C S3 D0



100% RECYCLABLE

MOQ of 25 sheets to get a production run.





DECOR

Komastyle Design application examples



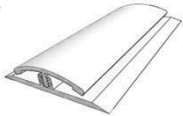
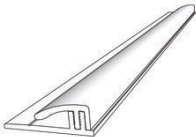



# TRIMS C

Accessories  
for your next project.

# ADHE

GLUES  
SIVES

WALL CLADDING SYSTEM

PART	DRAWING	SPECIFICATION
Two Part Joint		PVC extrusion has a watertight seal at the mouth of the joint. The joint trim comes in two sizes 2440mm and 3050mm.
J Section Edge Trim		PVC co-extrusion which can be used at the top and the bottom of hygienic cladding sheets. It comes in 2440mm lengths.
F Section External Corner Trim		PVC co-extrusion which can be used to finish external corners of hygienic cladding sheets. It comes in 2440mm lengths.
Internal Corner Trim		PVC co-extrusion which can be used to finish internal corners of hygienic cladding sheets. It comes in 2440mm lengths.
PVC Welding Rod		Used in conjunction with a weld/heat gun and applied from top to bottom between two sheet. Supplied in 100 metre rolls.

- All trims are colour matched with our cladding sheets.
- For optimum results, we advise the use of trained, certified installers for the application of sheet, adhesives and accessories.





## ADHESIVE

## SPECIFICATION

### EC400

6.5kg Two-part

Polyurethane Adhesive



This is a two part solvent free adhesive, Part A is mixed with Part B using a paddle mixer to achieve a good mix and spread using a 6mm notched trowel. Once mixed the adhesive has a 10 minute pot life and gives a very strong fully bonded adhesion with timber, plasterboard and fair face block.

### HB40

310ml Cartridge &

600ml Foil Sausage



This is a one part high grab solvent free adhesive, using a specific cartridge gun for each size, achieves a high degree of adhesion and has many uses within the building industry, vehicle building, marine, caravan & motorhome.

### Cartridge Silicone

310ml

Food Safe



This is a premium quality, low modulus, neutral curing (oxime) silicone sealant available in clear, white and colour match, because it contains fungicides it is suitable for use as a sanitary sealant, it provides a long lasting watertight seal for interior and exterior.

### CST

Welding Tape



CST double-sided polyethylene foam type, 2mm x 50mm x 40 metre foam mounting tape used for installing wall cladding sheets when heat welding seams.

## IMPORTANT DEFINITIONS

### CE Marking



The European Conformity (CE) indicates that a product has been assessed by the manufacturer and deemed to meet EU safety, health and environmental protection requirements.

### VOC free



Volatile organic compounds (VOCs) are organic chemicals that have a high vapor pressure at ordinary room temperature. VOC Free productions do not generate these compounds.

### ISO 9001



International Organization of Standardization (ISO) defined as the international standard that specifies requirements for a quality management system.

### NBS Plus



Library of building product manufacturers details linked to clause guidance in the National Bureau of Standards (NBS) specification products.

### RIBA



Royal Institute of British Architects (RIBA) is the industry-leading and definitive online resource to research and select construction product and service information for all types of building design projects.

### CPD Providers



Industry force of about 550 companies and advisory organisations that provide Continuing Professional Development (CPD) to architects and other construction professionals.

# Wall Protection

## ACCESSORIES



Wall protection products are designed to protect interior building surfaces from damage caused by the general flow of wheeled and pedestrian traffic.

They can help to reduce the levels of everyday damage to building interiors, minimise the need for on-going repair and maintenance, reduce life cycle costs, improve building accessibility and enhance the long term appearance of building interiors.

### APPLICATION:

- Wall / Door Protection
- Crash Rails
- Hand Rails
- Corner Guards
- Bed Locators

### FEATURES:

- Reduced maintenance, repair and refurbishment costs through prevention of damage.
- Colours and finishes that complement practically any design scheme.
- All colours within the range have been measured for Light Reflectance Values to assist with ensuring visual contrast is achieved where necessary.
- Products meet specification guidelines including Building Regulations 2010 - Approved Document M and Approved Document K; BS 8300-2:2018, HBN 00-09 and HBN 00-03.

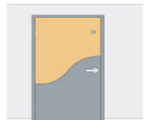
### TYPICAL CAUSES OF DAMAGE:



## PRODUCT GUIDE



**Wall Cladding Systems:** Available in a range of sizes, colours, finishes and textures to accommodate specification requirements.



**Door Protection:** Doors and door frames are vulnerable to damage due to the constant flow of pedestrian and wheeled traffic.



**Sit-on skirting:** A flexible pvc fitted over most hard floorcoverings for a neat finish, ideal for use in areas such as hospital corridors, schools etc.



**Wall Guards & Wall Strips:** Robust in design and used in areas where frequent impacts occur. They are a cost effective alternative to protect surfaces from scuffs and scrapes.



**Handrails & Combination Rails:** Designed to offer pedestrian guidance and support, in addition to a degree of surface protection against damage caused by wheeled traffic.



**Dual-Rail:** It combines a handrail and wall guard linked together with a specialist bracket to provide an ideal solution for environments where pedestrian support.



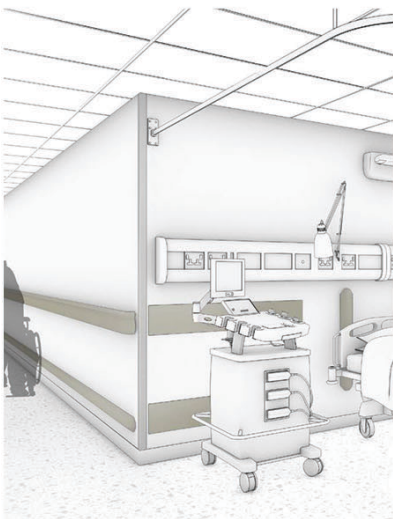
**Bed Head Protectors:** Designed to help prevent damage to walls and wall mounted equipment from beds that are continuously moved around busy hospitals and nursing homes.



**Corner Protection:** Corners are one of the most vulnerable areas of a building and when left exposed are often damaged.



**Floor Mounted Protection:** A range of floor rails, posts and bollards to protect building interiors and equipment from potential damage in both front and back-of-house applications.







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Making it easy to do business

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