



KOMASTYLE
DECORATIVE PANELS

Beaplas

THE HYGIENIC WALL & CEILING COMPANY

Specifiers guide to hygienic interior surface solutions

Sustainable and lightweight antimicrobial and decorative PVC cladding

Choosing and specifying the correct hygienic cladding system for your project

Background



Environmental hygiene is defined as **'the practical measures used to improve those factors affecting human health'**. Legislation and standards require specific levels of hygiene in key areas:

- Clinical areas
- Clean rooms
- Kitchens: cold store, cook, chill, food preparation
- Laundries
- Mortuaries
- Bathrooms
- Showers and changing areas

Such areas require high levels of resistance to impact, humidity, contamination and pathogens. They often require product

applications that support ease of cleaning and maintenance, chemical resistance and waterproof qualities.

The typical sectors that require higher levels of hygiene are typically:

- Food and beverage manufacture
- Hospitality, foodservice and catering
- Multi-occupancy residential
- Student accommodation
- Healthcare
- Pharmaceuticals
- Retail and leisure
- Custodial facilities
- Education
- Childcare
- Transport

Traditional Ceramic Surfaces

The traditional method of achieving continuous water-resistant and hygienic surfaces has long been ceramic tiling/panels. These materials have several significant disadvantages over modern alternatives:

- Heavy and energy intensive to manufacture and transport
- Susceptible to damage before, during and after installation
- Move differentially to adjacent materials and require unsightly movement joints
- Impose heavy loads, use high levels of water in installation
- Lengthy installation and drying times during construction
- Can severely affect critical path and disrupt following trades
- Difficult to replace broken units
- Require high levels of ongoing maintenance
- Do not easily integrate with flooring and ceilings
- Expensive



Cleaning regimes are laborious, intensive and problematic. Cracked tiles, grout and junctions are particularly susceptible to water penetration, bacterial and fungal growth.



High Pressure Laminated Wall Panels



High pressure laminated wall panels are also in common use. These are constructed from a variety of base materials including MDF or particleboard. Whilst offering a variety of colours and thicknesses, they have similar issues to ceramics:

- Heavy and energy intensive to manufacture and transport
- Susceptible to damage before, during and after installation
- Require substantial fixings to substrate
- Impose heavier loads than PVC cladding and cost more to transport
- Difficult to recycle as they are composite systems
- MDF and other base materials are not easily recycled
- Damage can be difficult to repair
- Do not easily integrate with flooring and ceilings
- Expensive

Modern, Sustainable, Alternative Lightweight PVC Cladding

One of the more commonly used materials for cladding interior walls is rigid PVC panelling. Due to its lightness, it is efficient, easy to install and cost effective and easy to maintain material. It is available in a variety of finishes and thicknesses. The ability to form continuous wall and ceiling systems with heat welding, jointing strips, covings and skirtings makes it highly effective for areas where hygiene is paramount. As well as standard hygienic panels, it is also available in antimicrobial and fire-retardant grades.

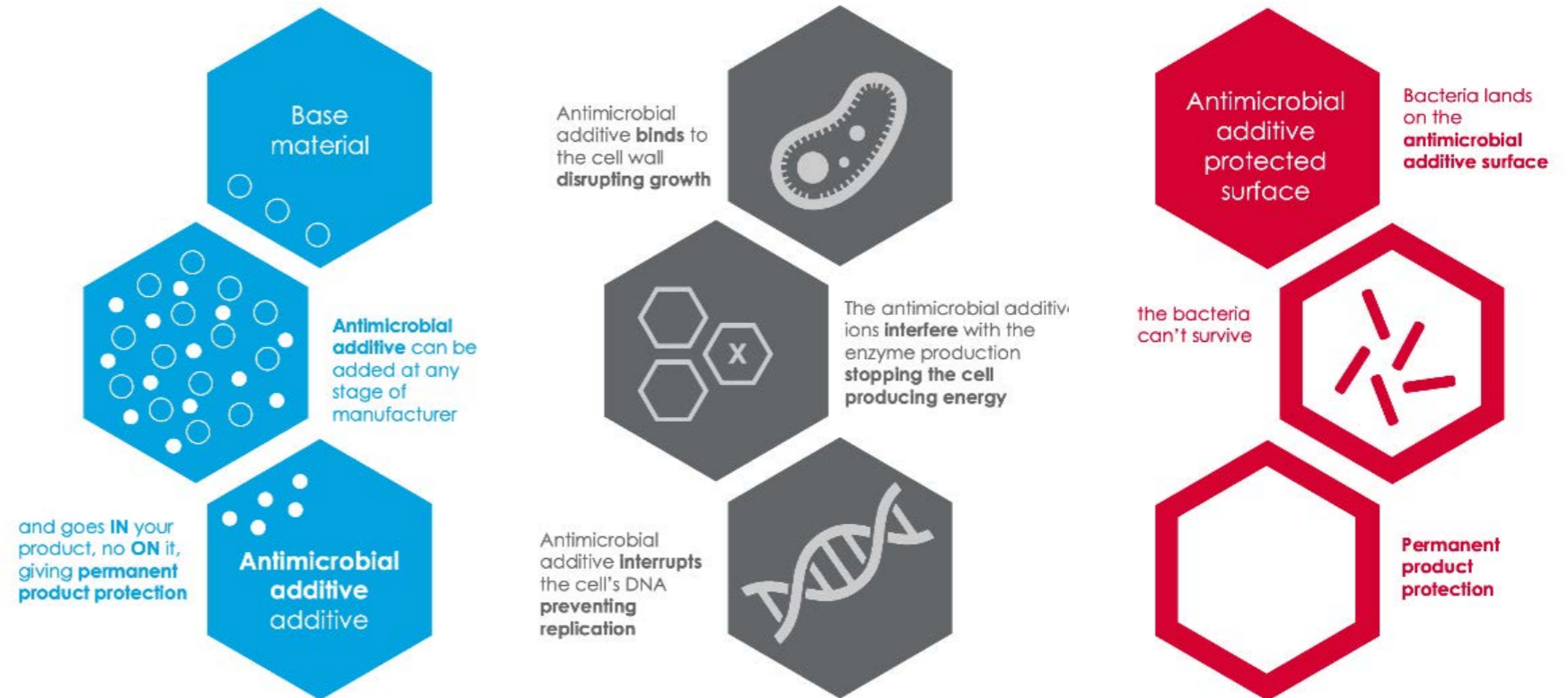
More recently it is also being used as door facing material for healthcare and high traffic areas in many building types.

Advantages include:

- Highly sustainable and 100% recyclable
- Available in microbial resistant, fire retardant and standard formats
- High level of chemical resistance to a wide range of chemicals
- Manufactured from food safe PVC.
- Full range of fixing profiles, adhesives and silicones.
- Easy to thermoform, drill and bond.
- 20-year warranty.
- Lightweight and easy to transport
- Quickly and easily installed without wet trades, drying or curing
- Can be formed into external and internal corners with different radii
- Cost-effective, shortened on-site installation promoting shorter contract periods
- Durable, impact and abrasion resistant
- Simple to maintain and clean using common detergents
- Available in range of colours and textures

Antimicrobial Additives and How They Work

Silver has been used since the late 19th century to fight against infection, used in the manufacture of surgical instruments, dressings. More recently ventilator tubes and in healthcare construction materials.

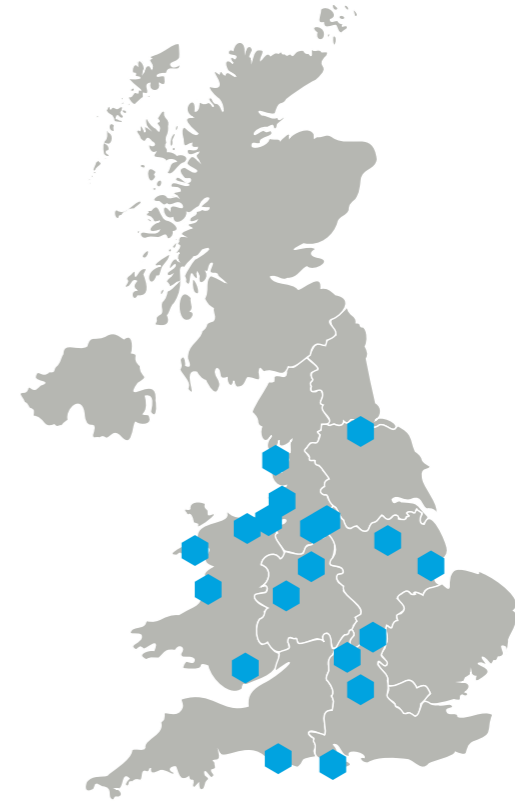


Antimicrobial surfaces play an important role assisting in the prevention of spread of infections through special antimicrobial compounds added to the material during the manufacturing process. It is therefore present throughout the entire thickness of the material throughout its lifespan and still works if abraded or damaged. This differs to other materials that offer a surface layer only protection.

The antimicrobial Silver ions working ingredient, disrupts the structure and DNA of bacteria, moulds and viruses preventing their reproduction. After installation 80% of bacteria eliminated within 15 minutes, 99.9% within 2 hours and permanent protection is **achieved** after 24 hours.



Bepas Elite-Komadur hygienic wall systems were used extensively in the creation of the Nightingale hospitals across the UK since the beginning of the Covid-19 pandemic



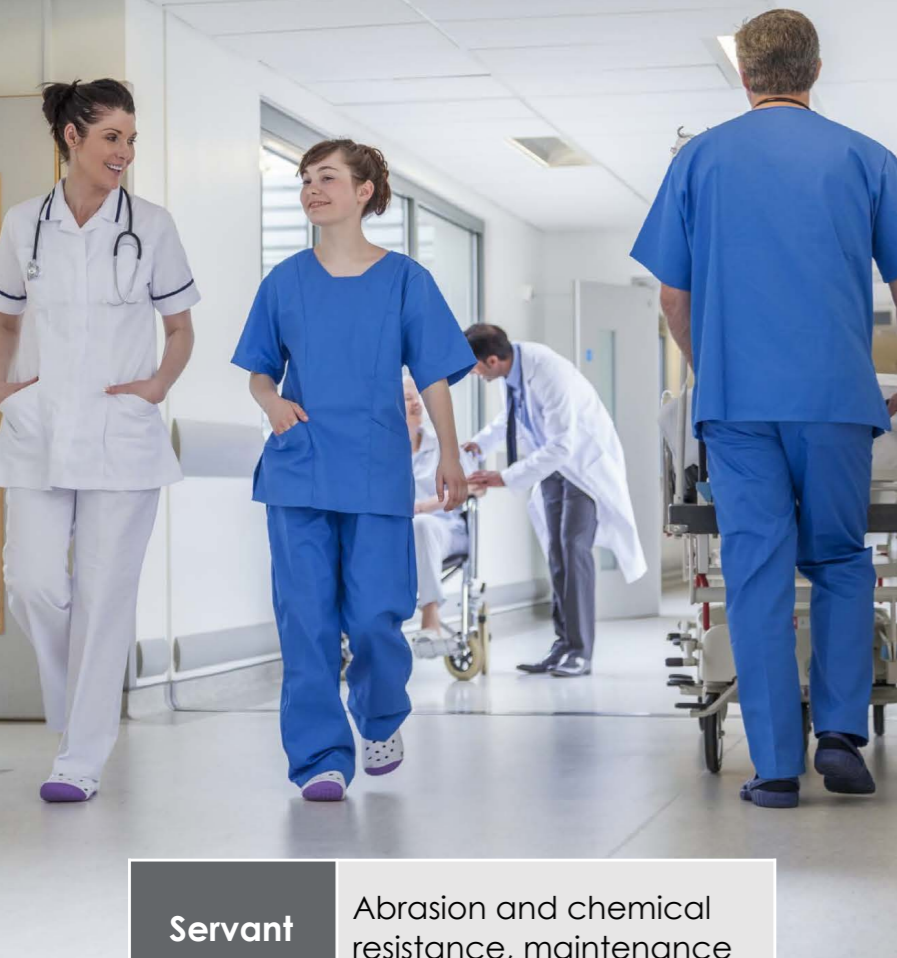
Locations where we've supported during the COVID-19 crisis

- Dragons Hart Nightingale, **Cardiff**
- Stoke Mandeville Hospital, **Aylesbury**
- Aintree University Hospital, **Liverpool**
- Basingstoke and North Hampshire Hospital, **Basingstoke**
- Arrowe Park Hospital, **Wirral**
- West Park Hospital, **Darlington**
- John Radcliffe Hospital, **Oxford**
- Salford Royal Infirmary, **Salford**
- Wythenshawe Hospital, **Manchester**
- Saint Mary's Hospital, **Isle Of Wight**
- Ysgol Gyfun Gymunedol Penweddig, **Aberstwyth**
- Plasrug Leisure Centre, **Aberstwyth**
- Pwllheli Leisure Centre, **Pwllheli**
- Renal Services Hamilton Unit, **Leicester**
- Renal Services Havenside, Boston, **Lincs**
- Renal Services Media Point, **Mold**
- Aibus, **Deeside**
- Heinz, **Telford**
- Laleham (Soap Manufacturers), **Fleetwood**
- Eli Lilly, **Liverpool**
- Tulip Foods, **Wirral**
- Dunbia, **Dorset**
- Eagle Care Home, **Lincoln**
- Magna Foods, **Telford**

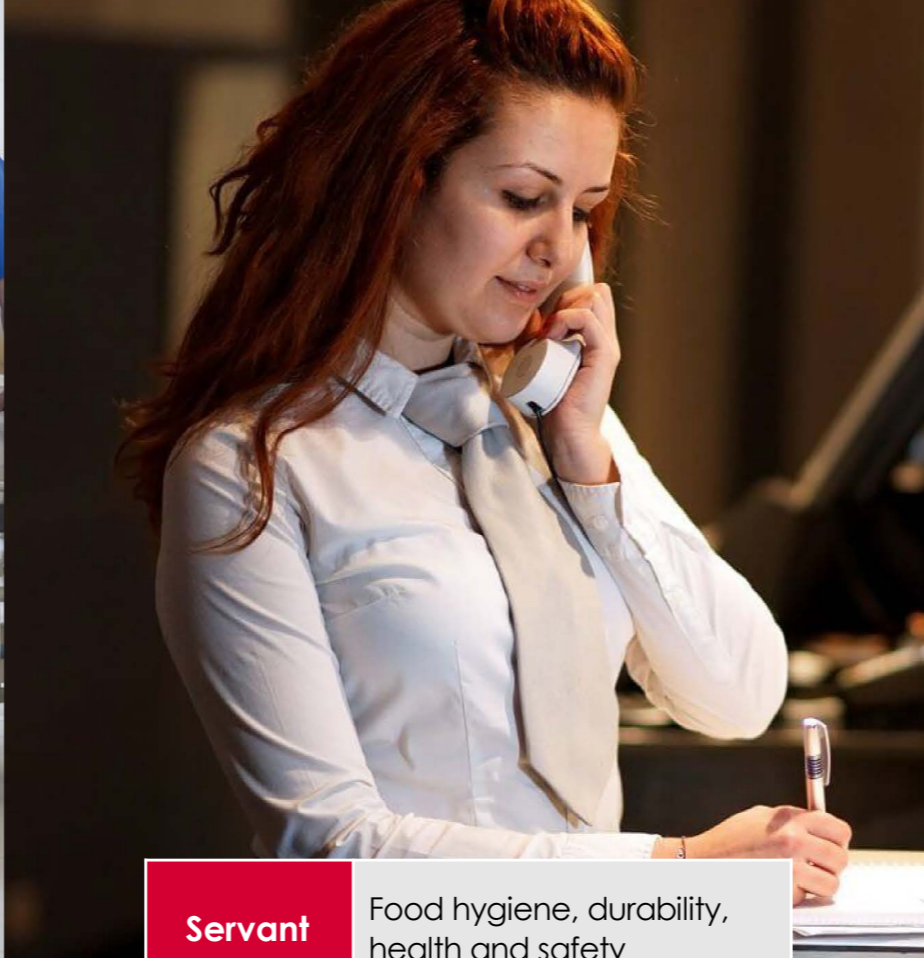


Supporting hygienic environment throughout the COVID-19 crisis





Servant	Abrasion and chemical resistance, maintenance
Served	Easily cleanable, antimicrobial material



Servant	Food hygiene, durability, health and safety
Served	Appearance, Easily cleanable, abrasion and stain resistance



Servant	Hygiene, durability, health and safety
Served	Durability, appearance, impact resistance

Developing a 'Servant and Served' Material Strategy

The cost and time constraints of modern contracting requires a structured approach to materials choice. This helps keeps the number of trades on site to a minimum and facilitates efficient work package management. Using the same sub-contractor/installer for wall and ceiling surface materials makes sense as it allows the specialist to plan installation efficiently.

The idea of 'Servant and Served' was a core philosophy of US Architect Louis Kahn, although has been used in principle for the last two centuries.

It is the consideration of the different needs for each type of space and how it impacts on planning and materials choices. This

can be readily applied to modern buildings, more commonly known as 'back of house' and 'front of house' in hospitality for instance.



Servant Space

- Undecorated functional
- Strip joints
- Continuous panel design
- Easily cleaned surface
- Easy install panel design
- Waterproof
- Stain resistant



Served Space

- Highly aesthetic finish
- Impact and abrasion resistant
- Easily bonded
- Acoustic insulation
- High flexural strength

Approaching the design of each space and specification with this principle in mind also promotes the use of flexible material types that can be both practical and functional. Using the same base material can save cost and time, simplifying maintenance and hygiene requirements.



A Unified approach

Utilising single surface material in both servants and serve space:

- Save money
- Save time
- Reduce disruption
- Mitigate complexity
- Simplify construction program

The factors above for each type of space should be carefully considered using the following checklist:

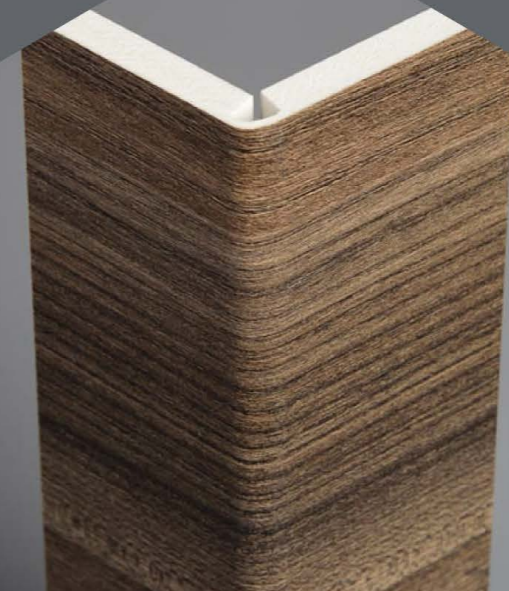
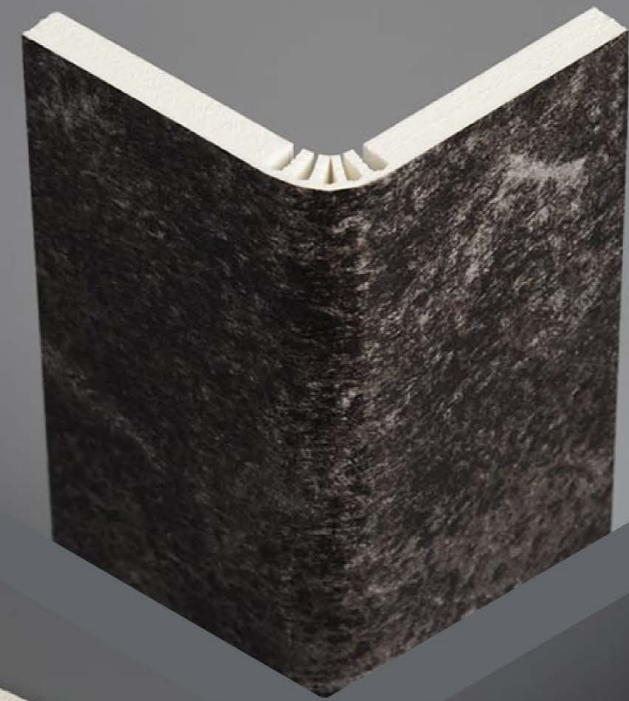
- Base material choice
- Hygiene level
- Fire rating
- Substrate and preparation
- Installation and storage environment
- Thickness and rigidity
- Sheet size vs internal floor heights
- Impact and durability
- Fixing methodology
- Penetrations
- Accessories and ancillary elements
- Ceiling, floor, corner details
- Joints and patterns
- Colour and texture

Critical issues for surface material choices



**Responding to
space function:**

Forming complex
internal and external
corners to any room
configuration and
radii of curvatur



**Responding to
space function:**

Joints with ceilings
and floors



**Ensuring continuity
and hygiene:**

- Hygienic coving profiles create the complete hygienic environment.
- Flexible gaskets create a hygienic seal between wall and floor, wall to wall and wall to ceiling joints.
- Beplas PVC coving systems have hidden fixings, easy to clean and create a seamless appearance.
- Hygienic coving - rounded corners easy to wipe or wash down.

General Overview

Wall Coverings

There is a wide range of hygienic wall panels available, generally manufactured from FRP or solid PVC. The selection of a particular type of panel will depend on a number of factors, including the service life, warranty and fire rating required, the nature of the environment, the substrate, and the installation time available. It is preferable to use panels that are Food Taint Test Approved and are resistant to stains, chemicals, abrasion and fire. Where conditions allow, always install panels to a minimum height of 3 metres. Polypropylene sheets are also available but they exhibit a poor fire rating. Foam PVC sheets (as opposed to solid PVC) normally have a softer surface that is more susceptible to damage. Steel Faced Insulation Panels are also available.

Corners

Internal corners finishing wall to wall and wall to ceiling should have a coving with a minimum radius of 50mm for ease of cleaning. Flexible edges or silicone seal jointing

should be used, depending on the application. External corners should be finished either with PVC angles or PVC 'F' shaped corner extrusions. PVC walls panels may also be thermoformed on site, using an electric heat-forming machine.

Floor to wall finish

A wide range of flooring options is available. Some flooring has pre-formed coving therefore there are a number of jointing methods including the use of extruded PVC capping strips, division bars, birds beak, silicones etc. Always ask for technical information and drawings when considering jointing methods. When pre-formed floor coving is not installed a hidden fix PVC skirting with flexible seals may be used.

Panel joints

Panels can be joined with extruded PVC 'H' type division bars with flexible seal edges or rigid edges (for silicone sealing). Always use division bars with expansion gap guidelines to ensure any expansion

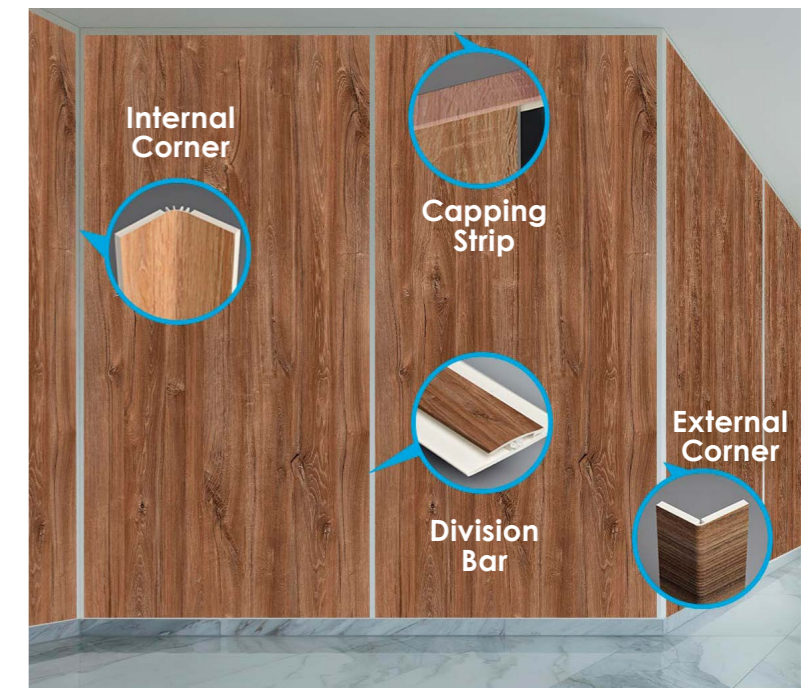
of thermoplastic sheets is allowed for. **Joints can also be welded where a seamless finish is required.**

Internal Corner

These are used in conjunction with our wall cladding to create an attractive finish at internal corners.

Capping Strip

Capping strips are used in conjunction with our cladding to create an attractive finish at panel edges.



Division Bar

Division Bars are used in conjunction with our cladding to create an attractive finish at panel-to-panel joints.

External Corner

These are used in conjunction with our wall cladding to create an attractive finish at external corners.

Silicone sealing

Ensure all joints/gaps are sealed with a high quality silicone. The low modulus silicone should have a good long term adhesion and be tested to comply with FDA standards and contain a food approved anti-fungal agent. Silicone should also have a broad operating temperature range.

Adhesives for panel fitting

Use full coverage adhesive to avoid gaps behind the sheet. Ensure that the adhesive is suitable for the substrate. The adhesive should be odourless and be naturally anti-fungal. On slightly damp surfaces, the adhesive chosen should have a 'damp-tolerance'. Any adhesive used should also be fast curing and have a broad operating temperature range. Hygienic nylon drive rivets should be considered for use in conjunction with adhesive in damp areas. Full coverage, pre-applied, double-sided tape offers an alternative method of fixing to certain substrates.

Ceilings

A range of PVC and FRP hygienic ceiling panels and tiles are available to suit

suspended ceiling grids or to fix directly to various substrates. Always ensure that the panel/grid edges are sealed with a food grade silicone. In areas of high corrosion FRP ceiling grids will provide a long service life. Ensure PVC hidden-fix tongue and groove ceiling planks have a good moisture proof joint and are calcium colour stabilised. A 50mm radius PVC coving should be used for wall to ceiling finishing.



Ceiling panel
Hygienic tongue and groove ceiling panel

Substrate

All surfaces should be flat, dry, clean and free from dust or grease. When necessary, degrease with MEK, alcohol or ethanol. If necessary, use a primer to seal the substrate surface. It is recommended that adhesion tests are carried out to determine the suitability of the product for its application.

Installation

When possible use manufacturer approved installers who specialise and are experienced in fitting Hygienic Walls & Ceiling systems.

General Advice

If regular steam/pressure washing is to be used, seal any flexible joint skirting and coving with adhesive or silicone. This will prevent the pressure washing from lifting the flexible edges. Use Tin colour stabilised products to avoid discolouration, particularly in areas with sulphur and certain gases, in the atmosphere. Coloured covings, skirtings and bump rails can be used to differentiate areas for risk definition. When using PVC covings and skirtings choose products with a full range of injection moulded corners and end pieces. This ensure a neat and hygienic finish.

Fire Rating

Specify products that are fire rated to Class 1 as per BS Part 7 and, where possible to Class 0 as per BS 476 Part 6.

Fire rating: BS 476 Part 7 (1987) surface spread of flame - Class 1 BS 476 Part 6 (1989) fire propagation - Class 0* EN13501-1 B-s3, d0

(*when fixed to a non-combustible substrate)

Look for products that exhibit low smoke development in the case of fire.

Some wall and ceiling panels are available in a variety of colours. These may be chosen to create a more aesthetically appealing working environment, without compromising hygiene.

Where possible, choose a complete system from one supplier, to ensure full product warranty. Also ask for copies of fire and other certificates for your records.

Lightweight Sustainability

Beplas supports the aim to eliminate SINGLE USE PLASTICS – the most common types of plastic – carrier bags, wrappers, cups etc. Beplas is a Greenline sustainability accredited and are proud members of VinylPlus®



Our core philosophy:

- Minimise any detrimental impact on the world
- Improve systems through R&D
- Products are stabilised without the use of lead
- Highest quality and performance standards

Beplas products are 100% recyclable, VOC free, contain no formaldehyde, asbestos, lindane, PCB, PCP, CFCs, cadmium or other

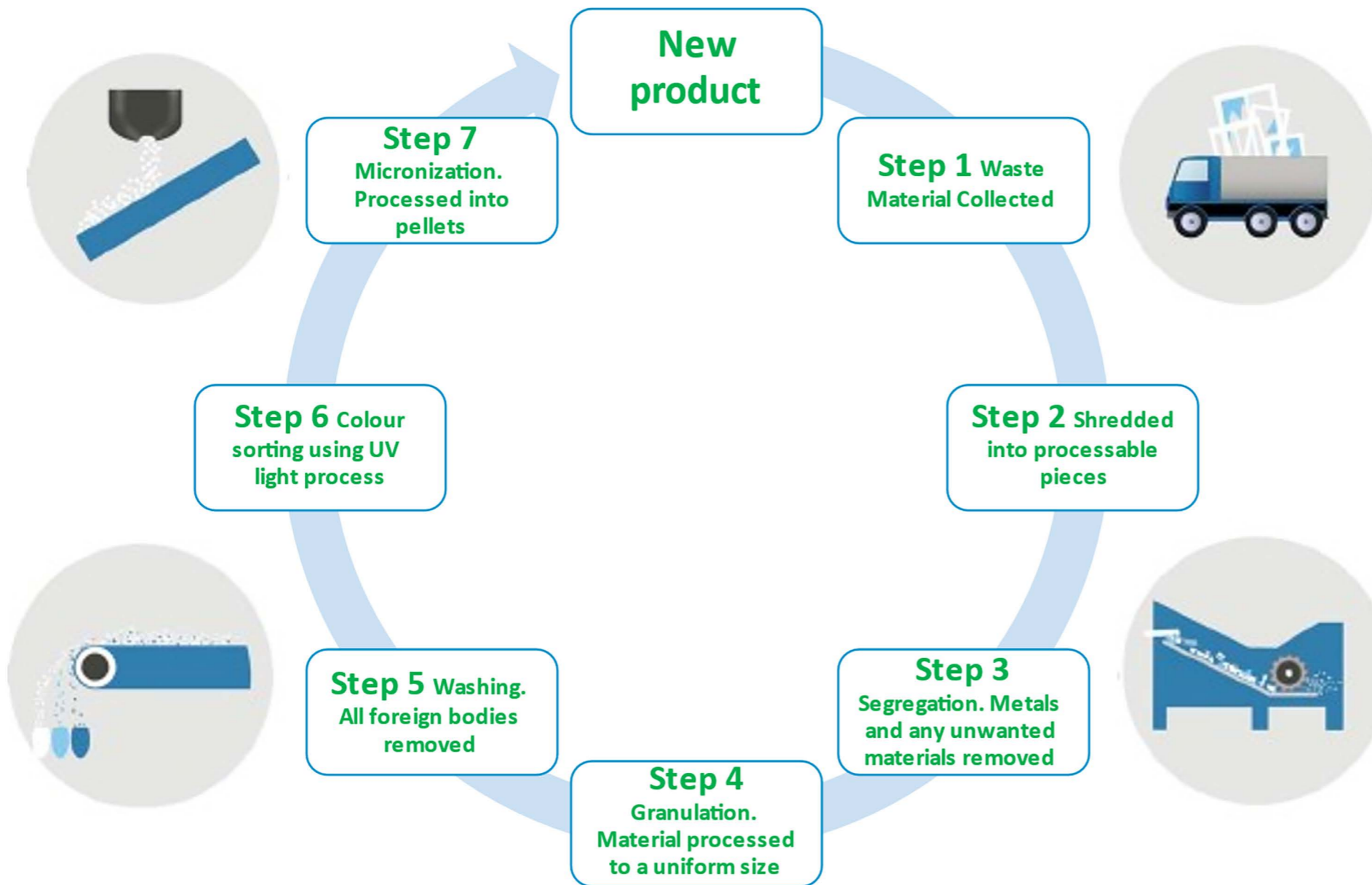
heavy metals. There are no monomers, Bisphenol or plasticisers in BePlas PVC sheets.

The use of our lightweight products promotes:

- Fewer deliveries to site
- Less fuel intensive
- Reduces impact on environment
- Reduced imposed load on building structure

Recycling process

Process takes approx. 7 days





Not all plastics are the same

- Made from foamed PVC Innovative, element of recycled content and is a 100% recyclable modern material
- VOC free
- Contains no dangerous chemicals, fibers or heavy metals
- Built to last a lifetime

Committed to Sustainable Development

- 771,313 tonnes of PVC recycled in 2019 by Vinyl Plus members
- 1.5 million tonnes of CO2 saved in 2019 by vinyl plus members
- Since 2000 and 5.7 million tonnes of PVC recycled by Vinyl Plus members and 11.4 million tons of CO2 saved

Long Term Maintenance

Beplas products are guaranteed for 20 years, are durable and built to last a lifetime of use. Our product requires minimum maintenance and can be cleaned using common household or industrial detergents.

CDM, Health and Safety, Wellbeing

Care should be taken when working at height to use proper safety systems and working platforms. Check MSDS for material handling information.

Inclusive Environments

Beplas products come in a range of colours and textures. In accordance with design for inclusive environments, especially for the sight impaired and sufferers of Alzheimers Beplas recommend careful use of textures and contrasting/complementary colours to assist in navigation and visual comfort. Further information is available **here:**

dementia.stir.ac.uk/design/good-practice-guidelines/colour-and-contrast

Samples of all products are available.

Swatches, Binders and Individual sample pieces

Contact Mark Ashmore

Mobile 07775 157705

Email mark.ashmore@beplas.com

Example Specification:

Servant Space



Elite PVC skirting



Elite PVC coving



PVC bump rails
hygienic wall protection



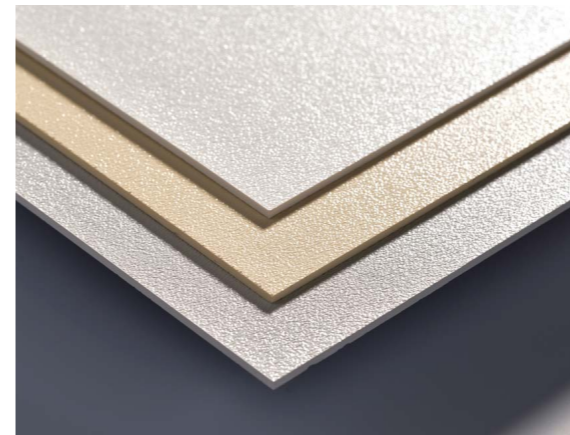
Elite PVC kerb
hygienic wall protection



Elite Komadur
Hygienic rigid PVC
wall cladding



Elite sterling
Hygienic rigid PVC wall
cladding with bio master
anti microbial technology



Elite whether green
Hygienic rigid PVC
wall protection

Suitable Substrates

- Good quality fairfaced brick or blockwork. Well aligned joints bagged up flush. Straight to within 3mm over a 2m straight edge
- Sand & cement rendering 1:3 to steel trowel finish.
- 12.5mm thick plasterboard.
- Minimum 9mm W.B.P.
- Minimum 9mm MDF.
- Ceramic tiles which are clean and securely bonded to substrate.
- Certain sound painted surfaces (an adhesive test is advisable to ascertain compatibility).
- Plastered surfaces - finished with steel trowel. (pink lightweight plasters generally not suitable).
- Porous surfaces to be thoroughly sealed with diluted PVA applied to the surface 12 hours prior to the installation.

Installation Temperature

A minimum ambient temperature of 14°C/57°F is required for installation.

Storage and Conditioning (on site)

Sheets should be stored flat, fully supported and left for 24 hours to attain the ambient room temperature prior to installation (min 14°C).

Substrate Preparation (by others)

Wall substrate must be dry and free from dirt, dust and grease. Remove any wallpaper, loose paint and/or other foreign matter that might impair adhesion.

Remove high spots and fill depressions in substrate surface.

Panel Supplier:

Beplas Hygienic Walls and Ceilings Ltd
Unit 2 Junction 8 Business Park
Ellesmere Port, Wirral CH65 3AS
Tel: 0800 413 758 Fax: 0151 355 7970

Reference:	Description:	Size:
KPVC24122.5	Elite Komadur PVC Satin	2440 x 1220 x 2.5mm Colour White
KPVC27122.5	Elite Komadur PVC Satin	2750 x 1220 x 2.5mm Colour White
KPVC30122.5	Elite Komadur PVC Satin	3050 x 1220 x 2.5mm Colour White

Fire Rating

Certified to BS476 Part 7 Class 1. Certified to BS476 Part 6 Class 0 when attached to a non-combustible substrate.

Method of Fixing

Use Beplas adhesive (Ref.Pro 6.5 or 8Kg) or GPPA600 or Multibead.

Joint Detail

All panel joints should be covered with high impact PVC division bars or have hot welded joints

Reference:	Size:
TDB2.4 (two-part flex edge)	2440 x 2.5mm
TDB3.0 (two-part flex edge)	3050 x 2.5mm
DB32.4 (one-part rigid edge)	2440 x 3.0mm
DB33.0 (one-part rigid edge)	3050 x 3.0mm
DB3W2.4 (one-part rigid edge)	2440 x 3.0mm
DB3W3.0 (one-part rigid edge)	3050 x 3.0mm

Edge Detail

Exposed panel edges should be closed with high impact PVC capping sections:

Reference:	Size:
TCS32.4 (rigid edge)	2440 x 3.0mm
TCS33.0 (rigid edge)	3050 x 3.0mm

Corner Detail

Internal corners should be covered with high impact PVC angles or have site thermoformed corners

Reference:	Size:
IA252.4 (heavyweight)	2440 x 25 x 25mm
IA253.0 (heavyweight)	3050 x 25 x 25mm
IA382.4 (heavyweight)	2440 x 38 x 38mm
IA383.0 (heavyweight)	3050 x 38 x 38mm
IA502.4 (heavyweight)	2440 x 50 x 50mm
IA503.0 (heavyweight)	3050 x 50 x 50mm
IAL502.4 (lightweight)	2440 x 50 x 50mm
IAL503.0 (lightweight)	3050 x 50 x 50mm

Alternatively use high impact PVC internal corners:

Reference:	Size:
IC242.4	2440mm
IC243.0	3050mm

External corners should be covered with high impact PVC angles or have site thermoformed corners

Reference:	Size:
OA252.4	2440 x 25 x 25mm
OA253.0	3050 x 25 x 25mm
OA382.4 (heavyweight)	2440 x 38 x 38mm
OA383.0 (heavyweight)	3050 x 38 x 38mm
OA502.4 (heavyweight)	2440 x 50 x 50mm
OA503.0 (heavyweight)	3050 x 50 x 50mm
OAL502.4 (lightweight)	2440 x 50 x 50mm
OAL503.0 (lightweight)	3050 x 50 x 50mm

Alternatively use high impact PVC external corners:

Reference:	Size:
OC242.4	2440mm
OC243.0	3050mm

Abutments

Full range of detail drawings available at www.bepulas.com

- To window frames, door frames. Ask for Beplás detail drawing E4.
- To resin type flooring. Ask for Beplás detail drawing E5.
- To quarry tile flooring. Ask for Beplás detail drawing E6.
- To vinyl flooring. Ask for Beplás detail drawing E7.

Finishing

Apply Beplás Food grade silicone sealant (Ref. PSNW) in mouldings and around all panel edges fasteners and fixtures.

Service Preparations

Allow a 3-4mm gap around all holes for Beplás FDA approved silicone sealant (Ref. PSNW).

Technical data

Electrical properties

Dielectric constant Er (at 1 kHz)	VDE 0303 T4	–	3.4
Dielectric dissipation factor tan δ (at 1 kHz)	VDE 0303 T4	–	0.016
Surface resistance	DIN VDE 0303 T30/ DIN IEC 93	Ω	10 ¹⁵
Volume resistivity	DIN VDE 0303 T30/ DIN IEC 93	Ω · m	10 ¹⁴
Dielectric strength	DIN VDE 0303 T21 1 mm sheet	KV/mm	≥ 23
Tracking resistance	DIN IEC 112	Grade	CTI 600
Arc resistance	DIN VDE 0303 T5	Ident. No.	2.2.2.2

Other properties

Water absorption after 7 days	DIN 53495	%	< 0.08
Fire behaviour	DIN 4102- B 1	–	1–3 mm
	UL 94 (USA) File E100599	–	≥ 1 mm
	BS476 Part 7 BS476 Part 6	Class 1 Class 0**	

*These are standard values which apply to an average density.

**When adhered to a non-combustible substrate

Properties	Unit	Values
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Mechanical properties

Apparent density*	DIN 53479/ISO 1183	g/cm ³	~ 1,43	
Tensile stress at yield (tensile strength)	DIN 53455/ISO 527	MPa	≥ 55	
Elongation at tear	DIN 53455/ISO 527	%	≥ 15	
Flexural strength	DIN 53452/ISO 178	MPa	≥ 80	
Compressive strength	DIN 53454/ISO 3605	MPa	≥ 70	
Modulus of elasticity	DIN 53457/ISO 527-2/1A/50	MPa	≥ 3000	
Notched impact strength	DIN 53453/ISO 179-1ePA	KJ/m ²	≥ 4	
Impact strength	DIN 53453/ISO 179	KJ/m ²	0 °C	no failure
			–20 °C	–
			–30 °C	–
			–40 °C	–
			Ball indentation hardness (358 N/30 s)	DIN 53456/ISO 2039
Shore hardness	D DIN 53505		82	

Thermal properties

Vicat softening temperature	DIN 53460/ISO 306 (process B50)	°C	≥ 75
Deflection temperature	DIN 53461/ISO 75	°C	~ 68
Coefficient of linear thermal expansion from –30 °C to +50 °C	(process Ae) DIN 53752	mm/mK	0.08
Thermal conductivity from 0 °C to +60 °C	DIN 52612	W/mK	0.16

Example Specification:

Served Space



Concrete Ceramico



Concrete Grey



Concrete Light Grey



Copper



Granite

Hygienic Wall Systems

Specification PVC Linings to Walls

www.komastyle.com



Suitable Substrates

Good quality fairfaced brick or blockwork. Well aligned joints bagged up flush. Straight to within 3mm over a 2m straight edge Sand & cement rendering 1:3 to steel trowel finish.

12.5mm thick plasterboard.

Minimum 9mm W.B.P.

Minimum 9mm MDF.

Battens fixed at 400mm centres.

Ceramic tiles which are clean and securely bonded to substrate.

Certain sound painted surfaces (an adhesive test is advisable to ascertain compatibility).

Plastered surfaces - finished with steel trowel. (pink lightweight plasters generally not suitable).

Installation Temperature

A minimum ambient temperature of 14°C/57°F is required for installation.

Storage and Conditioning (on site)

Sheets should be stored flat, fully supported and left for 24 hours to attain the ambient

room temperature prior to installation (min 14°C).

Substrate Preparation (by others)

Wall substrate must be dry and free from dirt, dust and grease. Remove any wallpaper, loose paint and/or other foreign matter that might impair adhesion.

Remove high spots and fill depressions in substrate surface.

Panels Supplier:

Bepas Hygienic Walls and Ceilings Ltd
Unit 7 Helix Business Park, New Bridge Road,
Ellesmere Port, CH65 4 LR
Tel: 0800 413 758 Fax: 0151 355 7970

Reference:	Description:	Size:
K465047	Komastyle Deco Colour: Granite D30	2500 x 1250 x 8mm
K465082	Komastyle Deco Colour: Rusty Brown D31	2500 x 1250 x 8mm
K465083	Komastyle Deco Colour: Concrete Light Grey D32	2500 x 1250 x 8mm
K465084	Komastyle Deco Colour: Uni White D50	2500 x 1250 x 8mm

K465085	Komastyle Deco Colour: Uni Yellow D51	2500 x 1250 x 8mm
K465086	Komastyle Deco Colour: Uni Anthracite D52	2500 x 1250 x 8mm
K465087	Komastyle Deco Colour: Uni Light Grey D53	2500 x 1250 x 8mm
K465089	Komastyle Deco Colour: Structure Steel Grey Cross D77	2500 x 1250 x 8mm
K465090	Komastyle Deco Colour: Leather Brown D78	2500 x 1250 x 8mm
K465091	Komastyle Deco Colour: Oak Rustical D01	2500 x 1250 x 8mm
K465093	Komastyle Deco Colour: Old Oak D02	2500 x 1250 x 8mm
K465094	Komastyle Deco Colour: Light Oak D03	2500 x 1250 x 8mm
K465095	Komastyle Deco Colour: Light Oak D04	2500 x 1250 x 8mm
K467791	Komastyle Deco Colour: Concrete Grey D33	2500 x 1250 x 8mm
K472602	Komastyle Deco Colour: Concrete Ceramico D34	2500 x 1250 x 8mm
K472603	Komastyle Deco Colour: Stone Grey Ceramic	2500 x 1250 x 8mm
D35K472604	Komastyle Deco Colour: Texture Vintage Grey D79	2500 x 1250 x 8mm
K472604	Komastyle Deco Colour: Texture Vintage Brown D80	2500 x 1250 x 8mm

Fire Rating

The majority of the complex composite Komastyle is a class 2 (BS476 part 7) fire rated Celuka sheet product. Class 1 (BS476 part 7) fire rated sheet available upon request.

Method of Fixing

Use Beplas adhesive or GPPA600 or Multibead.

Joint Detail

All panel joints should be covered with aluminium division bars, colour matched PVC joint strips or tongue and grooved.

Reference:	Size:
K5576867 (Aluminium joint strip)	3000 x 8mm

Edge Detail

Exposed panel edges should be closed with aluminium or PVC colour matched capping sections:

Reference:	Size:
K576785 (Aluminium capping strip)	3000 x 8mm

Corner Detail

Internal corners should be covered with either high impact aluminium or PVC colour matched corners, or have site thermoformed corners:

Reference:	Size:
K576868 (In/out corners)	3000 x 20 x 20mm

Abutments

- To window frames, door frames. Ask for Beplas detail drawing E4.
- To resin type flooring. Ask for Beplas detail drawing E5.
- To quarry tile flooring. Ask for Beplas detail drawing E6.
- To vinyl flooring. Ask for Beplas detail drawing E7.

Finishing

Apply Beplas Food grade silicone sealant (Ref. PSNW) in mouldings and around all panel edges, fasteners and fixtures.

Service Preparations

Allow a 3-4mm gap around all holes for Beplas FDA approved silicone sealant (Ref. PSNW).



SAFE APPEALING AND DOESN'T COST THE EARTH

About BePlas and Komastyle

Beplas is a leading supplier of interior surface solutions for hygienic applications. With the UK's most extensive range of internal wall and ceiling lining systems and ancillary products, we offer complete hygienic environments. Whatever your industry, from healthcare, education and food and drink manufacture to hospitality and retail, we have a solution to meet your requirements. All Beplas products are available on a supply-only basis or fully installed by our network of approved installers.

We supply hygienic cladding all over the UK and around the world.

We can help throughout the construction process from initial concept through to completion, our experienced staff have the knowledge and skills to guide you every step of the way. When it comes to hygienic environments, Beplas is the company to trust.

Beplas
THE HYGIENIC WALL & CEILING COMPANY

KOMASTYLE
DECORATIVE PANELS

 **KOMASTYLE**
DECORATIVE PANELS

Combine the functionality of the
Beplas with the design aesthetics
of Komastyle Deco panels

Beplas
THE HYGIENIC WALL & CEILING COMPANY

Beplas is a leading supplier
of interior surface solutions
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Samples of all products are available.

Swatches, Binders and
Individual sample pieces
Next day sample service

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