

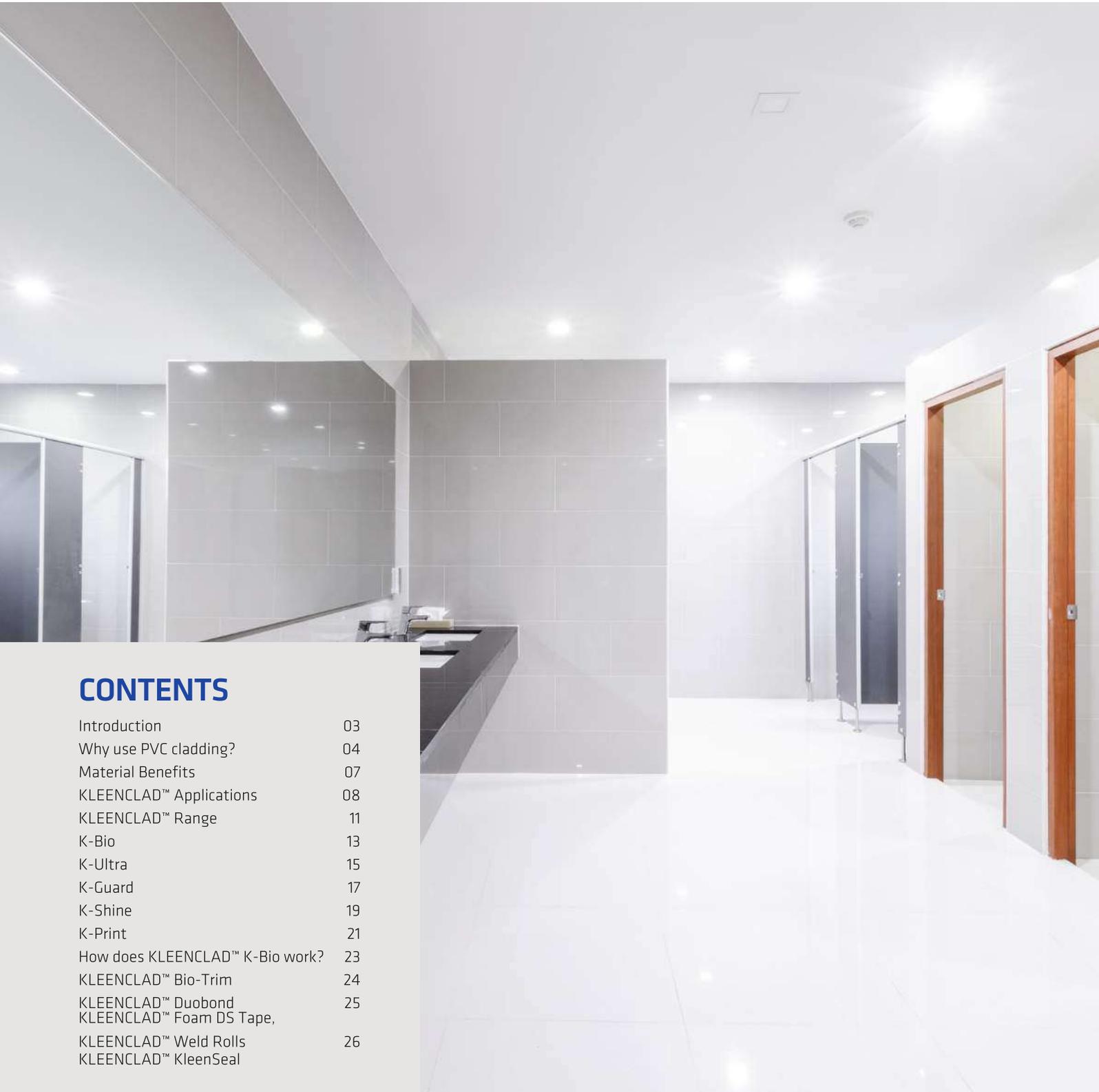


 **KLEENCLAD™**
Antimicrobial Cladding

Antimicrobial
PVC Cladding

Hygienic Cladding

Affordable alternative to tiles



CONTENTS

Introduction	03
Why use PVC cladding?	04
Material Benefits	07
KLEENCLAD™ Applications	08
KLEENCLAD™ Range	11
K-Bio	13
K-Ultra	15
K-Guard	17
K-Shine	19
K-Print	21
How does KLEENCLAD™ K-Bio work?	23
KLEENCLAD™ Bio-Trim	24
KLEENCLAD™ Duobond	25
KLEENCLAD™ Foam DS Tape,	
KLEENCLAD™ Weld Rolls	26
KLEENCLAD™ KleenSeal	

The smooth, easy clean and durable surface of the KLEENCLAD™ range makes it the ideal cladding material for walls and ceilings.

Manufactured from PVC, KLEENCLAD™ is a lightweight alternative to traditional materials like tiles and stainless steel. Its moisture and chemical resistance ensure that KLEENCLAD™ continues to perform as a hygienic internal cladding material in even the most challenging of environments. It is easy to handle, cut and bond, making installation straightforward.



K KLEENCLAD™
Antimicrobial Cladding

Why use PVC Cladding?



Hygiene

- Quick and easy to clean
- Antimicrobial product available



Improving aesthetics

- No grout and easy to keep clean
- Can be printed with decorative effects

KLEENCLAD™ range is ideal for use as PVC cladding, transforming interior walls and ceilings into even, easily cleanable surfaces, impervious to the ingress of dirt. PVC cladding is used for a variety of reasons relating to aesthetics, cost, maintenance and hygiene.



 **KLEENCLAD™**
Antimicrobial Cladding



Lower cost

- Cheaper and quicker than tiling
- Low maintenance costs



Lower maintenance

- Will not develop mould or rot
- Good resistance to scratches or dents



Material Benefits

KLEENCLAD™'s longevity and ease of installation, combined with its resistance to water, chemicals and bacteria make it an excellent choice for internal wall and ceiling coverings.

Features & Benefits



Tough and durable

KLEENCLAD™'s hard surface is resistant to cracking, splitting and abrasion, maintaining a hygienically smooth cleanable surface.



Water resistant

KLEENCLAD™ cladding provides a water resistant barrier and will not rust or corrode. It is highly suitable for use in cladding applications which are subject to high levels of condensation.



Ease of installation

Lighter than traditional wall coverings such as tiles and stainless steel, KLEENCLAD™ sheets and accessories are easy to transport, handle and install. It requires only standard tools for cutting and cladding. Flat sheets are easily bonded to substrates.



Excellent fire performance

KLEENCLAD™ has excellent fire performance properties. Tested according to BSEN ISO 11925-2:2020 standard.



Hygienic, smooth, easy clean surface

The smooth continuous surface is stain-resistant and very easy to wipe clean. KLEENCLAD™ cladding products have excellent chemical resistance and can be cleaned with typical non-abrasive cleaning products and disinfectants.



Antimicrobial

Polygiene BioMaster™ silver ions are incorporated into K-Bio and K-Guard formulation to add to the inherent hygienic activity of the KLEENCLAD™ sheets. The activity of the silver ions inhibits the growth of bacteria on the Kleencladded surface. K-Bio has been tested to ISO 22196 (JIS Z 2801).



KLEENCLAD™ Applications

The KLEENCLAD™ range offers a practical solution across a wide range of cladding applications.

1 Health

Hospitals, surgical theatres, dental clinics, GP practices, vets, laboratories



2 Food Hygiene

Abattoirs, food production areas, residential and commercial kitchens, fast food outlets.



3

Manufacturing

Clean rooms, laboratories, pharmaceutical industry and test facilities.



4

Retail & Leisure

Bathrooms and toilets, changing facilities, gymnasium.



5

Residential & Industrial

Residential bathrooms and wetrooms, marine fit out, agricultural sheds

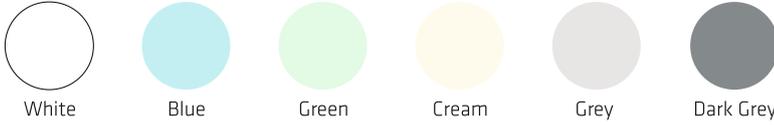


KLEENCLAD™ RANGE

K-Bio

Antimicrobial PVC wall and ceiling cladding

PRODUCT RANGE		
1220 x 2440, 1220 x 2800, 1220 x 3050	1.0 to 3.0 mm	White
1220 x 3050	2.5 mm	Blue, Green, Cream, Grey, Dark grey



DESCRIPTION

- Tested to ISO-22196
- Antimicrobial solid PVC wall and ceiling cladding using Polygiene BioMaster™ silver ion technology.



K-Ultra

Hygienic PVC wall and ceiling cladding

PRODUCT RANGE		
1220 x 2440, 1220 x 2800, 1220 x 3050	1.0 to 3.0 mm	White
1220 x 3050	2.5 mm	Blue, Green, Cream, Grey, Dark grey



DESCRIPTION

- Flat solid PVC wall and ceiling cladding

K-Guard

Matt finish PVC wall cladding in hygienic and antimicrobial range

PRODUCT RANGE		
1220 x 3050	1.0 to 3.0mm	Blue, Green, Cream, Grey, Dark grey



DESCRIPTION

- Flat matt finished scratch resistant PVC wall cladding for high usage areas.
- Antimicrobial matt finished PVC sheets using Polygiene BioMaster™ silver ion technology available



K-Shine

Gloss foam PVC wall and ceiling cladding

PRODUCT RANGE		
1220 x 3050	3.5 mm	Red, Yellow, Green, Blue, Grey, Black, White



DESCRIPTION

- Flat foam PVC wall and ceiling cladding

K-Print

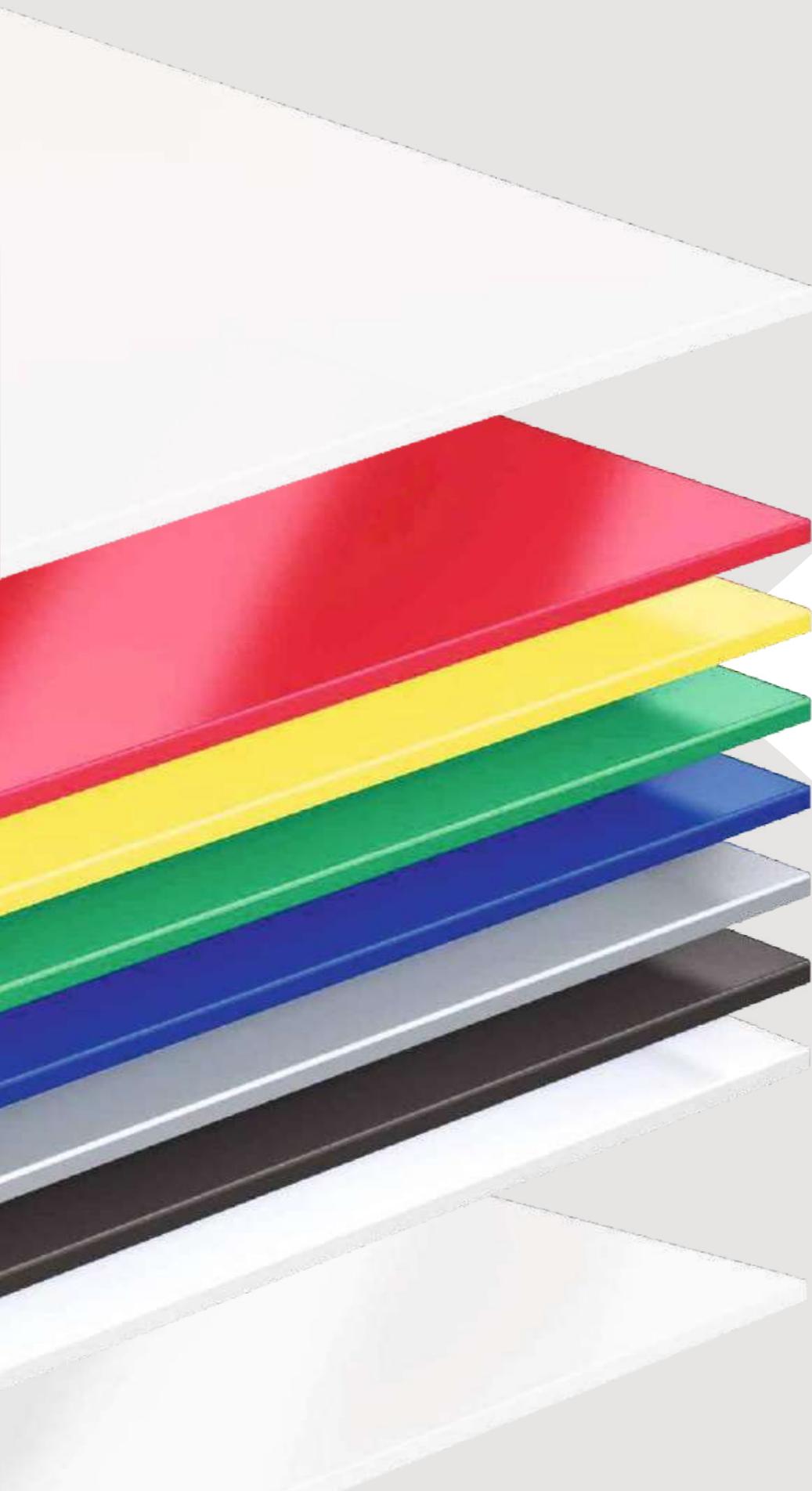
Custom printed and hard coated PVC wall cladding

PRODUCT RANGE		
1220 x 2440 mm, 1220 x 2800, 1220 x 3050	1.0 to 3 mm	Custom prints and hard coated



DESCRIPTION

- Hard coating after digital printing
- Prints in gloss or matt finish



 **KLEENCLAD™**
Antimicrobial Cladding



K-Bio



Antimicrobial PVC Wall & Ceiling Cladding

K-Bio incorporates Polygiene BioMaster™ silver ion technology to produce the antimicrobial sheets suitable for use in infection prone areas like hospitals, clinics, laboratories and food production areas where its hygienic and antimicrobial action is required.

Applications

- Hospitals and medical facilities
- Surgical theatres
- Dental clinic
- Laboratories
- Food production areas
- Agricultural applications

Benefits

- Suitable for hygienic applications
- Protection maintained on worn or scratched surfaces or cut edges
- Retains the anti-microbial properties after fabrication
- Easy to handle and install
- Easy to clean and stain resistant
- Withstands frequent cleaning
- Does not absorb any microbial material
- Low maintenance and corrosion free
- Resistant to cracking and splitting
- Suitable for high condensation areas
- Suitable for use in a wide range of temperatures
- Fire rating - classified for internal use

Sheet size (mm) Thickness

Sheet size (mm)	Thickness
1220 x 2440	1.0 to 3.0 mm
1220 x 2800	1.0 to 3.0 mm
1220 x 3050	1.0 to 3.0 mm

Installation accessories available.
Antimicrobial is not a replacement for cleaning

Product Features

- Tested to ISO 22196
- Long lasting effect
- Satin smooth finish as standard
- Lightweight
- Tough and durable, resistant to dents and scratches
- Water and moisture resistant
- Chemical resistant
- Non porous
- Easily bonded to substrates or surfaces
- Excellent fire performance
- Service temperature from -20°C up to 60°C
- 100% recyclable



Material Properties

Property	Standard	Value	Unit
Sheet weight at 3mm	-	4.26	kg/m ³
U-value at 1mm	ISO 6946	5.7	W/m ² K
Thermal Expansion	ISO 11359-2	0.068	mm/m°C
Vicat Softening Point	ISO 75-2	>70	°C
Shore Hardness	ISO 868	>70	-
Service Temperature	-	-20 to +60	°C





K-Ultra

Flat PVC Wall & Ceiling Cladding

K-Ultra is a solid PVC wall and ceiling cladding sheet. Its surface is impervious to dirt and easy to clean with most non-abrasive cleaning agents. It is lightweight and easy to handle, cut and install.

Applications

- Internal cladding
- Clean rooms
- Kitchens
- WCs
- Changing facilities
- Agricultural applications

Benefits

- Hygienic and aesthetic
- Easy to handle and install
- Easy to clean
- Does not absorb any microbial material
- Stain resistant
- Corrosion free
- Resistant to cracking and splitting
- Low maintenance
- Suitable for high condensation areas
- Suitable for use in a wide range of temperatures
- Fire rating - classified for internal use
- Suitable for medium term outdoor use
- Varied applications across industries

Sheet size (mm) Thickness

Sheet size (mm)	Thickness
1220 x 2440	1.0 to 3.0 mm
1220 x 2800	1.0 to 3.0 mm
1220 x 3050	1.0 to 3.0 mm

Installation accessories available.

Product Features

- Satin finish as standard**
- Lightweight**
- Tough and durable, resistant to dents and scratches**
- Smooth surface**
- Water and moisture resistant**
- Chemical resistant**
- Non porous**
- Easily bonded to substrates or surfaces**
- Excellent fire performance**
- Service temperature from -20°C up to 60°C**
- Thermoformable**
- 100% recyclable**



Material Properties

Property	Standard	Value	Unit
Sheet weight at 3mm	-	4.26	kg/m ³
U-value at 1mm	ISO 6946	5.7	W/m ² K
Thermal Expansion	ISO 11359-2	0.068	mm/m°C
Vicat Softening Point	ISO 75-2	>70	°C
Shore Hardness	ISO 868	>70	-
Service Temperature	-	-20 to +60	°C



White



Blue



Green



Cream



Grey



Dark Grey



Malachite



Sea Green



Pebble



K-Guard



Impact & scratch resistant wall cladding

K-Guard offers a matt finish to more traditional impact resistant PVC sheets. K-Guard is impregnated with Polygiene BioMaster™ silver ion technology and is available in hygienic and antimicrobial range in a variety of colours.

Applications

- Internal cladding in heavy traffic areas
- Corridors and common areas
- Walk in freezers and food storage areas
- Kitchens
- WCs
- Changing facilities

Benefits

- Hygienic, antimicrobial and scratch resistant
- Easy to handle and install
- Easy to clean
- Does not absorb any microbial material
- Hard wearing in heavy traffic areas
- Corrosion free
- Resistant to cracking and splitting
- Low maintenance
- Suitable for high condensation areas
- Suitable for use in a wide range of temperatures
- Fire rating - classified for internal use
- Suitable for high traffic area
- Suitable for use as wrap around door protector
- Colour matched with wall protectors

Sheet size (mm) Thickness

1220 x 3050 1.0 to 3.0 mm

Installation accessories available.
Antimicrobial is not a replacement for cleaning

Product Features

- Matt finish as standard**
- Lightweight**
- Tough and durable, resistant to dents and scratches**
- Rough, anti scratch surface**
- Water and moisture resistant**
- Chemical resistant**
- Non porous**
- Easily bonded to substrates or surfaces**
- Excellent fire performance**
- Service temperature from -20°C up to 60°C**
- 100% recyclable**



Material Properties

Property	Standard	Value	Unit
Sheet weight at 3mm	-	4.26	kg/m ³
U-value at 1mm	ISO 6946	5.7	W/m ² K
Thermal Expansion	ISO 11359-2	0.068	mm/m°C
Vicat Softening Point	ISO 75-2	>70	°C
Shore Hardness	ISO 868	>70	-
Service Temperature	-	-20 to +60	°C





K-Shine

Gloss Foam PVC Wall & Ceiling Cladding

A durable, rigid foam PVC flat sheet with a premium high gloss finish. K-Shine is suitable for a range of interior cladding applications.

Applications

- Internal cladding
- Clean rooms
- Kitchens
- Bathroom cladding
- Shower enclosure walls
- Changing facilities

Benefits

- Cost effective option
- Easy to handle and install
- Easy to clean
- Does not absorb any microbial material
- Stain resistant
- Corrosion free
- Resistant to cracking and splitting
- Low maintenance
- Suitable for high condensation areas
- Suitable for use in a wide range of temperatures
- Fire-rating - can be specified indoors
- Bright and vivid colour range to brighten the cladded space

Sheet size (mm) Thickness

1220 x 3050 3.5mm

Installation accessories available.

Product Features

Co-extruded high gloss surface

Range of colours

Lighter weight

Tough and durable, resistant to dents and scratches

Smooth surface

Water and moisture resistant

Chemical resistant

Non porous

Easily bonded to substrates or surfaces

Excellent fire performance

Service temperature from -20°C up to 60°C,

100% recyclable



K-Shine Case Studies

Material Properties

Property	Standard	Value	Unit
Sheet weight at 3mm	-	2.61	kg/m ³
U-value at 3mm	ISO 6946	4.8	W/m ² K
Thermal Expansion	ISO 11359-2	0.068	mm/m°C
Vicat Softening Point	ISO 75-2	>60	°C
Shore Hardness	ISO 868	>50	-
Service Temperature	-	-20 to +60	°C



Red



Yellow



Green



Blue



Grey



Black



White



K-Print

Digitally printed to your needs with hard coating

KLEENCLAD™ K-Print collection comprises an extensive array of printed wall coverings such as nature inspired designs, geometric designs, patterns that can transform any space into a stunning setup. Any high-definition photo or picture can be printed to adorn the wall with logo and desired pictures.

Applications

- Schools and nurseries
- Corridors and reception hall
- Kitchen
- Designer operating theatre
- Gymnasium
- Washrooms

Benefits

- Suitable for hygienic applications
- Premium aesthetic cladding
- Brand promotion using logo and pictures
- Easy to design and install
- Easy to clean
- Does not absorb any microbial material
- Stain and corrosion free
- Low maintenance
- Suitable for use in a wide range of temperatures
- Fire-rating - Can be specified indoors
- Suitable for high condensation areas
- Resistant to cracking and splitting

Sheet size (mm)	Thickness
1220 x 3050	1.0 to 3.0 mm

Installation accessories available.

Product Features

- Customised digital printing
- Hard coating for protection of print
- Lighter weight
- Tough and durable, resistant to minor scuffs and scratches
- Smooth surface
- Water and moisture resistant
- Resistant to mild chemicals
- Non porous
- Easily bonded to substrates or surfaces
- Excellent fire performance
- Service Temperature from -20C - upto 60C
- 100% recyclable



Material Properties

Property	Standard	Value	Unit
Sheet weight at 3mm	-	4.26	kg/m ³
U-value at 1mm	ISO 6946	5.7	W/m ² K
Thermal Expansion	ISO 11359-2	0.068	mm/m°C
Vicat Softening Point	ISO 75-2	>70	°C
Shore Hardness	ISO 868	>70	-
Service Temperature	-	-20 to +60	°C



Marble



Granite



Wood



Print



Pattern



Natural Stone



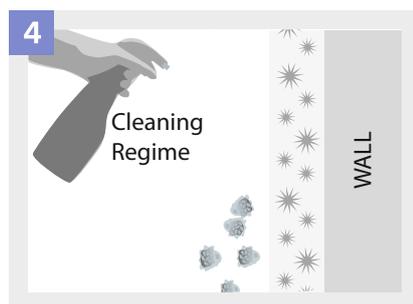
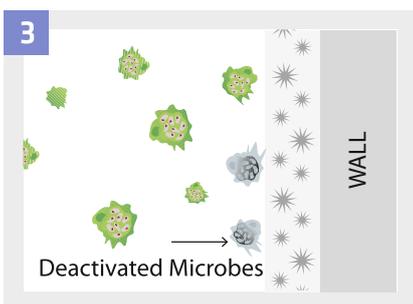
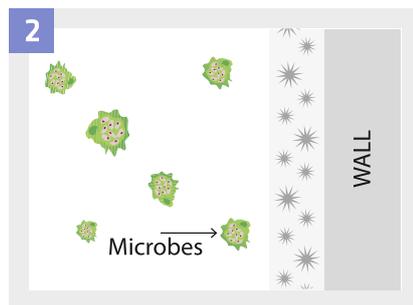
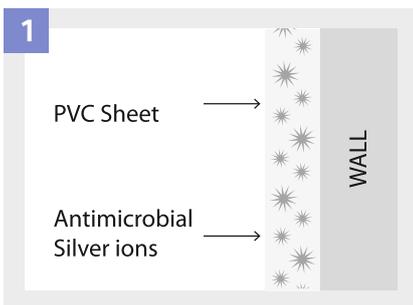
How does KLEENCLAD™ K-Bio work?



The antimicrobial active ingredient in KLEENCLAD™ K-Bio and K-Guard PVC sheets is Polygiene BioMaster™ silver ions. It Provides antimicrobial product protection and inhibits the growth of bacteria on the surface of the cladding.

Polygiene BioMaster™ silver ions are incorporated into the PVC mixture before the extrusion process, assuring antimicrobial improving the inherent anti-microbial properties to the rigid PVC sheet. The sheet now inactivates a variety of microorganisms on contact and prevents their growth.

As the Polygiene BioMaster™ additive is evenly distributed throughout the sheet, the effectiveness of the material is maintained, even if the surface becomes worn or scratched.



Accessories

KLEENCLAD™ Bio-Trim

KLEENCLAD™ has a range of accessories available, colour matched to K-Bio and K-Ultra sheets. The coloured trims in H-top profile are available in white, blue, green, cream, grey and dark grey to match the KLEENCLAD™ PVC sheets.

Profiles Available



Edge Trim



External Corner Trim



Internal Corner Trim



Joint Trim



Joint Trim - Bottom



Joint Trim - Top



Start Trim - 2 Part



Ceiling Trim - 2 Part



Ceiling Trim - 2 Part

KLEENCLAD™ Duobond

KLEENCLAD™ Duobond is a high performance two component polyurethane adhesive specifically formulated for the bonding nature of PVC cladding sheets to substrates such as tiles, brickwork, plaster, concrete, blockwork, etc.

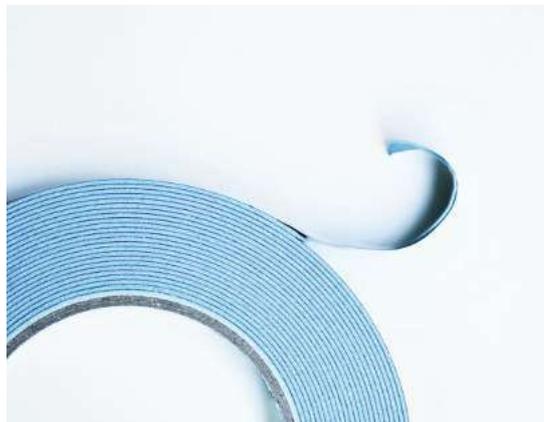
- Shelf life of 6 months.
- Curing time is approximately 4-6 hours
- Supplied as 6.5kg pack which composed of 2 components in a tub
- Part A is contained in a bucket while Part B is sealed in a sachet



KLEENCLAD™ K-Foam DS Tape

Closed Cell PE Foam adhesive tape providing excellent tack and peel performance with good resistance. The product has been designed for internal applications to assure good bondage of the PVC Sheets. The foam is a high quality polyolefin having excellent dimensional tolerance, with HDPE Film of 0.08mm having a strong tensile strength, 2mm thickness and density range has been chosen to offer a conformable cladding for KLEENCLAD™ PVC sheets.

K-Foam DS Tape - 2mm thick, 50mm wide, roll of 50m length



KLEENCLAD™ PVC Weld Rods

K-Ultraweld - 4mm PVC welding rods, 50m length, hygienic range and colours to match Kleenclad™ PVC cladding sheets

K-Bioweld - 4mm PVC welding rods impregnated with Polygiene BioMaster™ silver ions and assured to provide antimicrobial properties. Ideal for use with KLEENCLAD™ K-Bio PVC sheets in areas requiring joint free and utmost cleanliness like operating theatres, intensive care units, organ transplant centres, etc.

Available colours: White, Blue, Green, Cream, Grey, Dark grey, Malachite, Sea Green and Pebble.



KLEENCLAD™ KleenSeal

Product -

KleenSeal silicone paste is a low modulus, neutral curing, sanitary silicone which is available in white or colour matched to the Kleenclad range of PVC sheets.

KleenSeal can be used for a wide range of building, glazing and household applications including sealing coloured bathroom suites, hygienic plastic systems, etc.

KleenSeal is filled in 310ml standard cartridges, packed 12 per box.

Features

Moisture curing, low modulus, sanitary silicone.

Skin formation time 9-15 minutes.

Curing rate 2mm per 24 hours at 50% relative humidity.

Maximum movement capacity 25%

Elastic recovery > 80%

Hardness 25 (Shore A)

Service temperature -50°C to +160°C

Application temperature +10°C to +30°C





Mumbai

Kleenclad International Pvt Ltd
#207, Kalpataru Plaza,
Chincholi-Bunder Road,
Malad West, Mumbai - 400064
E mail : info@kleenclad.com

Bangalore

Kleenclad International Pvt Ltd
#240/1, Ganesh Krupa
18th Cross Sadashivanagar
Bangalore - 560080
E mail : info@kleenclad.com

Middle East Office

Kleenclad Mena FZC LLC
Po Box No. : 231381, Floor 7, 29,
Dubai National Insurance Buliding,
Port Saeed, Deira, Dubai - U.A.E.
E mail : info@kleenclad.com

Chennai

Go Health Services Pvt Ltd
No.1B, Jai Durga Apartments,
100 feet road , Ashok Nagar
Chennai - 600083
E mail : info@kleenclad.com



Registered Office

Kleenclad Limited
Fairman Harris
1 Landor Road,
London SW9 9RX
Phone: +44 2089085386
Mobile: +44 7814258693
E mail: info@kleenclad.com

Registered Office Middle East

Kleenclad Mena FZC LLC
Al Zahia Area
Entrance No. 2 - Ground Floor
Sheikh Mohammed Bin Zayed Rd
Sharjah, UAE
Phone : +971 50 742 2472
info@kleenclad.com

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