

Section 1

Wall Cladding Systems

Information on a full range of protective cladding systems covering hygienic, decorative and heavy duty options.

Introduction

Wall cladding provides a durable and defensive layer designed to protect large surfaces from scuffs and scrapes, generally caused by pedestrians and movable objects such as chairs, trolleys and tables.

Gradus offers a choice of wall cladding in a range of materials, colour options and finishes to coordinate with most interior design schemes and can be used in a range of applications.

Bespoke cutting and designs

Selected wall cladding can be cut or formed into rubrails, kickplates & pushplates, door protection, corner protection and other bespoke solutions which enables functionality to be combined with aesthetics (see individual product pages for details). For lead times and quotations for bespoke cutting and forming, contact Gradus Technical Support on 01625 428922.

Benefits of wall cladding

Durability – provides high resistance to impact damage. Selecting products with an embossed finish helps to conceal the effects of impact and abrasion. Recommended products - SureProtect Endure® and Aluminium Chequer Plate.

Hygiene – creates an impermeable barrier to moisture and bacteria. Inert materials minimise the growth of bacteria. A smooth, seamless finish is recommended for critical clean areas. Recommended product - SureProtect Pure®.

Aesthetics – enhances the appearance of building interiors. Choose to blend or enhance buildings with a variety of materials, colour options, patterns and styles. Contemporary designs included in the range help to create attractive and stylish interiors. Recommended product - SureProtect Design®.

Product options

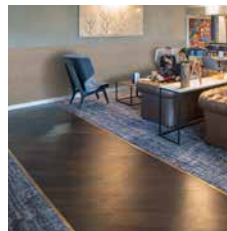
Gradus offers a selection of high performance wall cladding systems, offering excellent surface protection and suitable for a wide range of applications.

SureProtect Endure®



- Durable PVC-u solution designed to work as a stand-alone product or can be combined with other Gradus wall protection products to create a more comprehensive wall protection system.
- Through coloured and textured to conceal the effects of impact and abrasion.
- Ideal for busy environments such as corridors and circulation areas, canteens, classrooms and waiting areas.

SureProtect Design®



- PVC-u sheet featuring modern, stylish designs to enhance building interiors whilst still offering excellent surface protection.
- Finishes include wood effects and metals
- Ideal for applications where aesthetics are important such as reception areas, leisure facilities, hotel lobbies, retirement homes and university campuses.

SureProtect Design® Bespoke Print Option



- Custom wall cladding solution by digitally printing your photograph/graphic onto the back of the panel.
- The image is printed to the back of a clear textured sheet so is fully protected from scuffs and scrapes offering design flexibility and a robust, easy to clean durable Wall Protection system.
- Prints can be applied to multiple sheets as a continuous image.

SureProtect Pure®



- Comprehensive, hygienic PVC-u cladding system.
- Smooth, easy to clean surface creates an impermeable barrier to moisture and bacteria whilst also offering excellent resistance to impact damage.
- Ideal for: operating theatres, healthcare environments, commercial kitchens, sport and leisure facilities, food and pharmaceutical manufacturing facilities, laboratories, dentist practices, veterinary surgeries and bathrooms.

Stainless Steel Sheet



- Robust, durable hygienic material.
- Heat resistant.
- Ideally suited for clinical areas, splashbacks and areas exposed to heat.

Aluminium Chequer Plate



- Robust, durable material featuring embossed chequer pattern to conceal the effects of any surface damage caused by wheeled traffic. Suitable for both interior and exterior environments.
- Ideally suited for use in areas subject to frequent, heavy wheeled traffic e.g. service corridors, loading areas and car parks.

SureProtect Endure® Wall Cladding



SureProtect Endure® PVC-u sheet is through coloured and textured to conceal the effects of impact and abrasion. It can be specified as a stand-alone product or be combined with other Gradus wall protection products to create a comprehensive protection system.

Specifying SureProtect Endure® helps to reduce the need to repair and re-paint wall surfaces and with minimal maintenance, optimises the appearance retention of the building interior. It is commonly specified in environments exposed to high levels of pedestrian traffic such as corridors and circulation areas, canteens, classrooms and waiting areas.

Information

- Supplied in sheet form with the option of finishing trims, silicone sealant and thermoforming
- Option to cut or form into rubrails, kickplates and pushplates, door protection, corner protection and other bespoke solutions
- Reaction to Fire Classification Class B fire/s3 smoke
- Resistance to cleaning chemicals
- Textured PVC-u sheet available in a choice of 35 colours. See pages 22 - 23

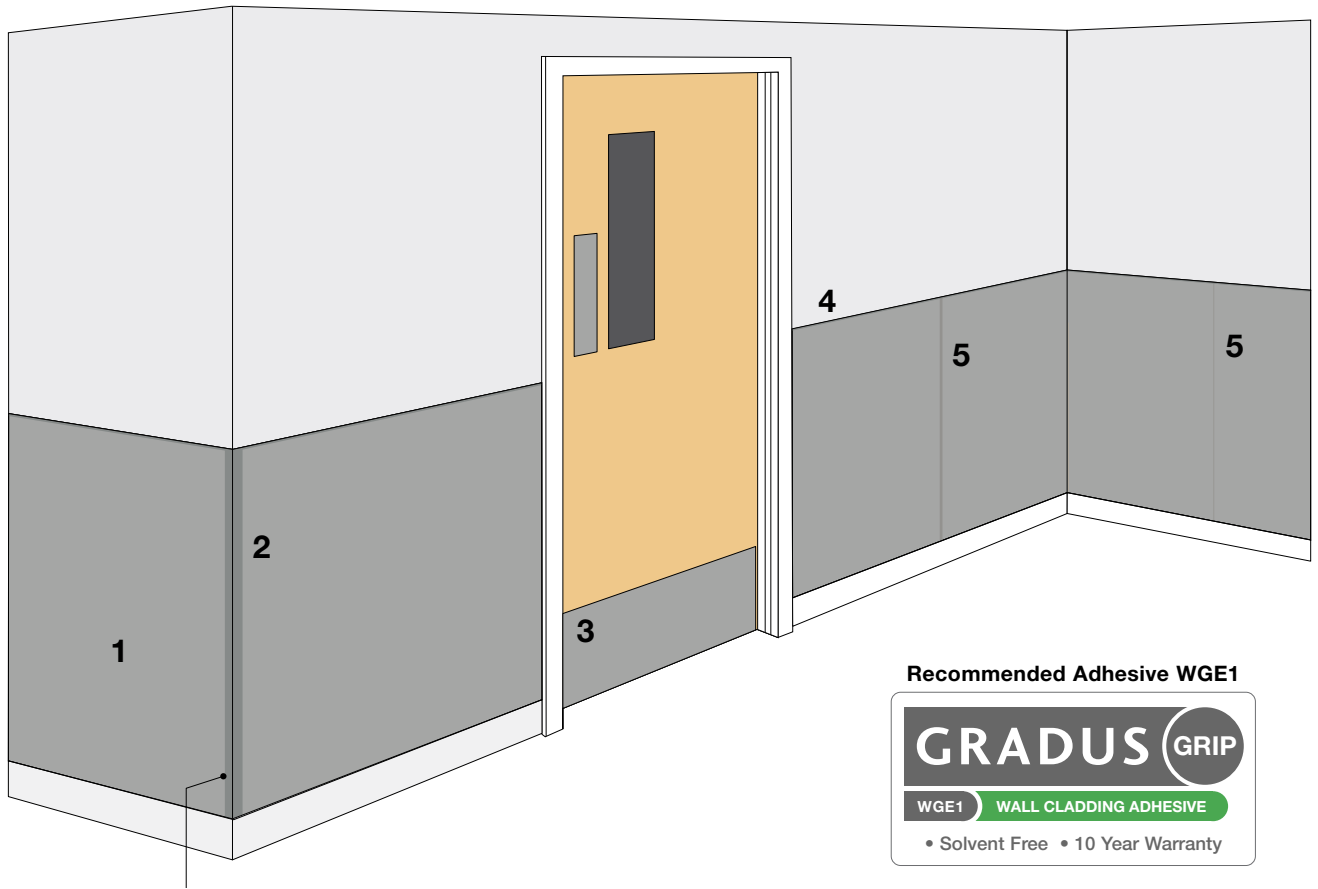
SureProtect Endure® sheet dimensions

SPE15 Sheet

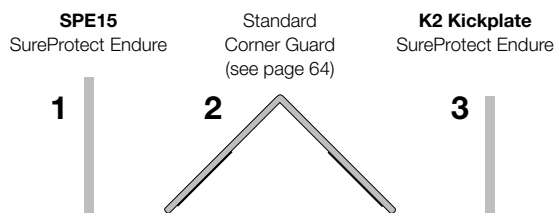
- Thickness – 1.5mm
- Sheet sizes – 2.44m x 1.22m
- Bespoke sizes and shapes also available – contact Gradus for more information



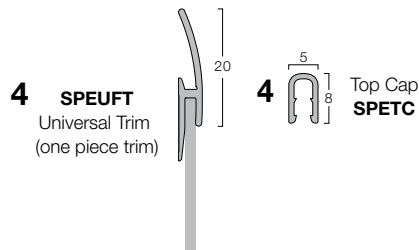
Installation example



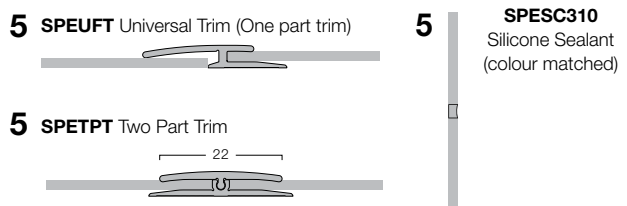
As an alternative to corner guards, SureProtect Endure® can also be thermoformed to provide a flush, seamless finish.



Finishing Options



Joining Options

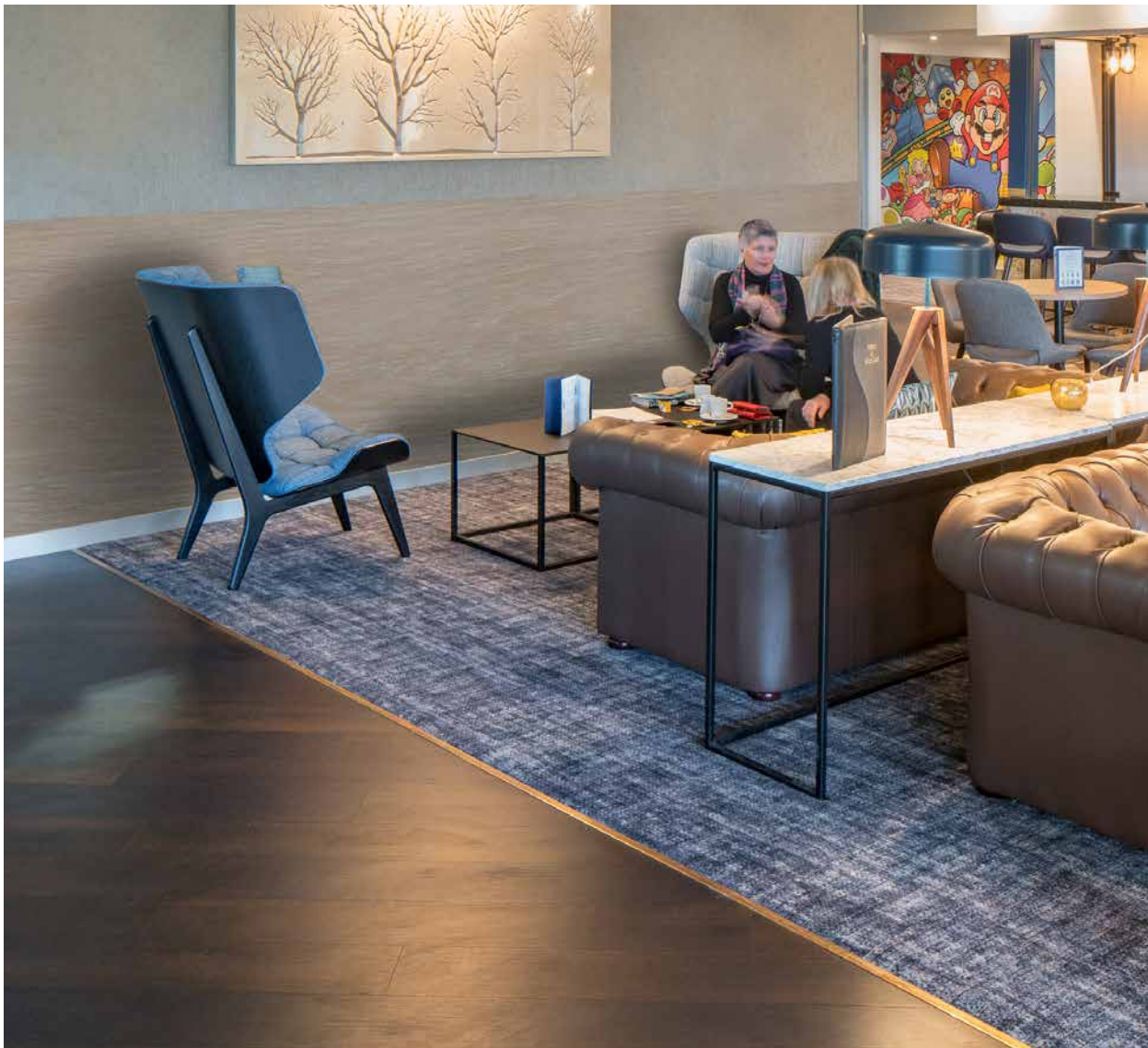


Finishing and joining options available all colours in 3.0m lengths

Bespoke cutting options

- R2 Rubrails (see page 30)
 - bevelled top and bottom, available in 2.44m lengths
- K2 Kickplates and Pushplates
 - bevelled on all edges, variable width and height options (see page 71)
- Thermoformed corner/angle
- Bespoke designs (see page 30)
- Door protection (see page 70)

SureProtect Design® Wall Cladding



Wood effects, metal and bespoke print

Modern and stylish in appearance, SureProtect Design® highlights building interiors whilst still offering excellent surface protection. Finishes include wood effects, metals and bespoke prints to accommodate any interior design theme.

Ideal for applications where aesthetics is important such as reception areas, leisure facilities, hotel lobbies, retirement homes and university campuses.

Information

- Supplied in sheet form with the option of silicone sealant and thermoforming
- Reaction to fire classification: B-s3, d0

Sheet dimensions: Woods & Metals

- Thickness – 2mm
- Sheet sizes – 3.0m x 1.3m
- Bespoke sizes also available – contact Gradus for more information

Cutting and forming

SureProtect Design® offers flexibility through the versatility of cutting and forming into bespoke designs or profiles, allowing functionality to be combined with aesthetics and offering an endless range of design possibilities.



SureProtect Design® - Colour Availability

SureProtect Design® Finishes

This range comprises a choice of wood, metal and print effects. These contemporary finishes help to create modern interiors and are an ideal choice for design-led environments such as hospitality, leisure and commercial office.

Woods - SPD20W



060 Maple LRV: 50.0
NCS: 2020-Y30R



061 Beech LRV: 40.3
NCS: 3030-Y30R



062 Light Oak LRV: 35.4
NCS: 3020-Y30R



065 Stripped Pine LRV: 37.0
NCS: 4005-Y20R



069 Brown Cedar LRV: 18.4
NCS: 6005-Y50R
** Not available for handrails*



068 Smoky Cedar LRV: 10.5
NCS: 7502-B
** Not available for handrails*



067 Wenge LRV: 6.6
NCS: 8010-Y50R

Metals - SPD20M



080 Silver LRV: 42.4
NCS: 3502-B



082 Gold LRV: 27.3
NCS: 2030-Y20R



081 Copper LRV: 20.9
NCS: 5020-Y60R



The Dementia Services Development Centre at the University of Stirling have undertaken a review of the Gradus Wall Protection products and have rated its design in relation to dementia design principles and its usability within a dementia-inclusive environment.

SureProtect Design® wood and metal effects are rated as Class 1a/b. Finishes within these ratings can be used throughout dementia applications. We recommend a minimum contrast of 30 points LRV for critical surfaces.

For further information on ratings go to www.gradus.com

Textured Finish

Textured and through coloured to conceal the effects of impact and abrasion.

Colour Matching

Important note: Due to the limitations of the printing process, colours within this catalogue should not be relied upon for colour matching. An accurate colour match can only be achieved by requesting the relevant product sample(s).

Light Reflectance Values

All Gradus wall protection colours have been measured for Light Reflectance and the Value (LRV) is detailed below each colour (values have been measured using the CIE Y value in accordance with BS 8493:2008+A1:2010). LRVs allow tonal contrast to be achieved between different surfaces to highlight features (e.g. handrails or door furniture), identify hazards or provide wayfinding.

NCS Colour References

Gradus is a member of NCS (Natural Colour System) and utilises the NCS reference codes shown above each colour. For further information visit www.ncscolour.co.uk ©Property of and used under licence from the Scandinavian Colour Institute AB, SCI-Sweden se, Stockholm 2004. 'See www.ncscolour.co.uk for NCS-standard samples'.

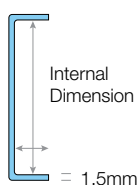
SureProtect Endure® Wall Cladding Bespoke Solutions



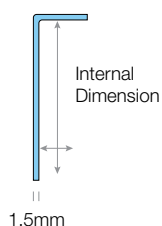
Information

SureProtect Endure® offers excellent flexibility through the versatility of cutting or forming into bespoke designs or profiles, allowing functionality to be combined with aesthetics and offering an endless range of design possibilities.

'U' shaped profiles



'L' shaped profiles



Cutting and forming

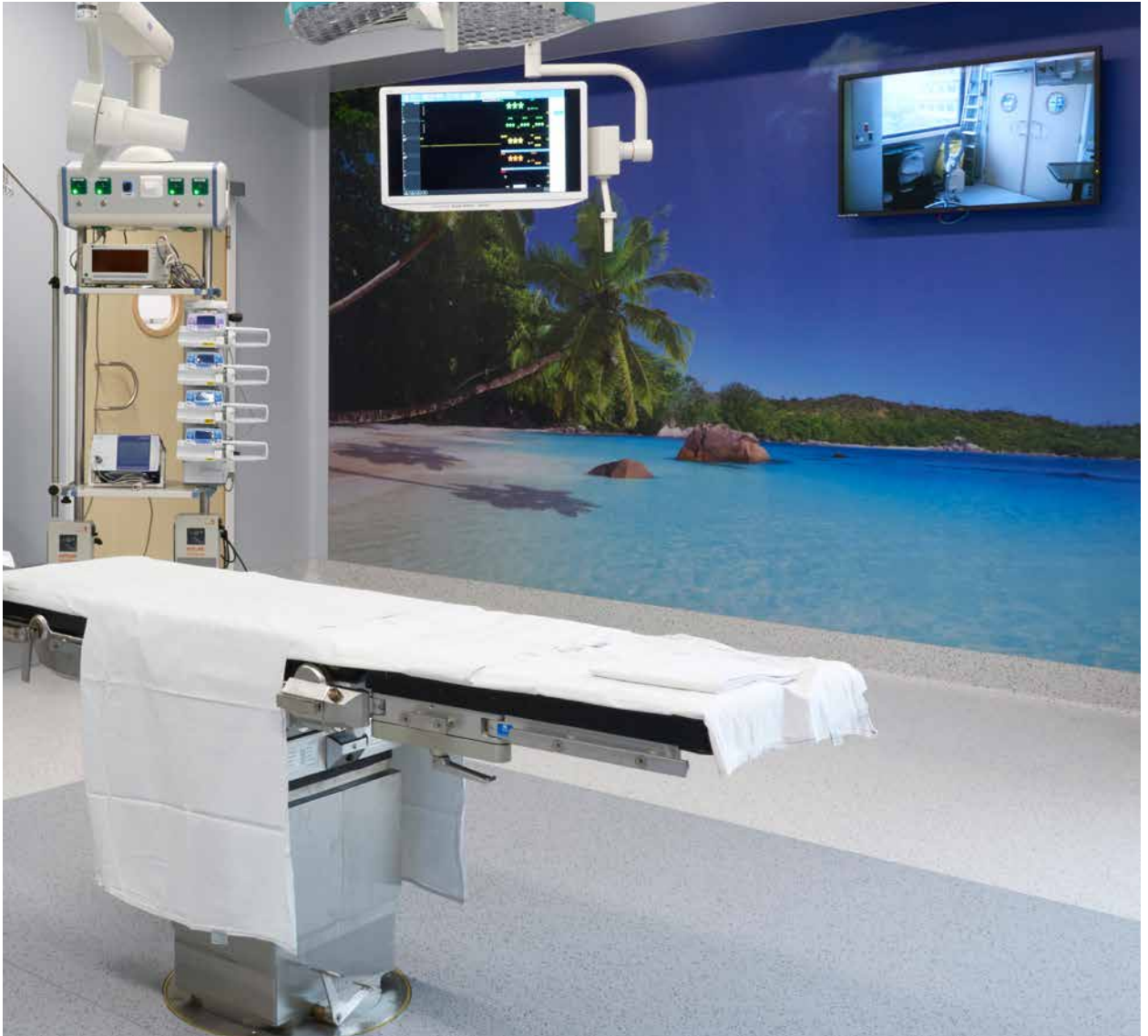
- The extensive colour palette allows SureProtect Endure® to be cut to create a wide variety of effects, from corporate logos in reception areas to themed Rubrails for hotels, classroom walls and decorative signage
- SureProtect Endure® can be formed into a variety of profiles e.g. 'L' and 'U' shapes
 - 'L' profiles can be used as bespoke corner guards, door edge and door frame protectors (see page 74)
 - 'U' profiles are often used for column protectors or to protect nib end walls
- For lead time for bespoke cutting and forming, contact Gradus

SureProtect Endure® Rubrails

SureProtect Endure® Rubrails are cut from sheet material and are bevelled on the top and bottom edges for a smooth, neat finish. Rubrails offer a cost-effective solution to protecting walls along their length at a point where impact and abrasion is likely to occur

- Available in 2.44m lengths in standard heights of 100mm to 1200mm in 50mm increments (special heights available on request)
- Rubrails can also be produced to bespoke designs

SureProtect Design® Wall Cladding - Digital Printing



Information

- Gradus can provide a bespoke cladding solution by digitally printing your photograph/graphic onto the back of a clear textured sheet
- Prints can be applied to multiple sheets as a continuous image
- Reaction to fire classification: B-s3, d0

Printing Requirements

- Accepted file formats:
PDF vector, Adobe Illustrator vector (typically for drawings) or
JPEG, TIFF or any type of image. In this case, resolution must be at least 600dpi at 1:10 scale. (typically for pictures)
- Provide details of finished trimmed size in mm (width x height x thickness)
- Files must be provided in RGB or CMYK, Pantone colours should be specified
- Photos or graphics supplied via "image libraries" must show copyright traceability and proof of purchase, always buy the largest choice of size.



2.9m

1.2m 1.2m 1.2m 1.2m 1.2m

Sheet dimensions SPD20P

- Made to measure with maximum dimensions of 1.2m x 2.9m
- Thickness – 2mm (1mm option available)

SureProtect Pure® Wall Cladding



Specifically developed for areas where cleanliness is a priority, SureProtect Pure® creates an impermeable barrier to moisture and bacteria. The smooth, easy to clean surface is an excellent hygienic alternative to ceramic tiles, removing the need for grout which can harbour bacteria. SureProtect Pure® is manufactured from PVC-u material that has been extensively tested to ensure suitability in hygienic environments.

The product adheres to guidance set out in The Health Building Note 00-09 and the Food Standards Agency Building Note 00-09, making it the perfect solution for healthcare environments and commercial kitchens. It is also ideal for sport and leisure facilities, food manufacturing environments, pharmaceutical laboratories, dentist practices, veterinary surgeries and bathrooms.

Information

- Smooth PVC-u sheet material in a choice of 21 diverse colour options
- Tested for suitability in a wide range of environments
- Range of trimming and jointing solutions
- Gradus Grip adhesive solutions (see page 35)
- Reaction to fire classification: B-s3, d0
- Complies with ISO 22196:2011 and HBN 00-09

Sheet dimensions

- Thickness - 2.5mm
- Sheet sizes - 2.44m x 1.22m, 3.048m x 1.22m & 2.50m x 1.22m (for full size details see page 34)
- Bespoke sizes also available – contact Gradus for more information



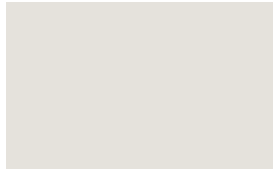
SureProtect Pure® - Colour Availability

White - Satin Finish



White
LRV: 90.87
NCS: S 0300-N

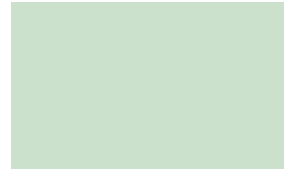
Pastels - Satin Finish



Platinum
LRV: 58.81
NCS: S 2002-Y



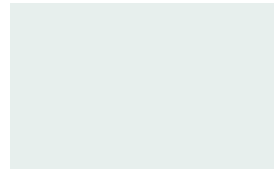
Champagne
LRV: 72.74
NCS: S 1005-Y20R



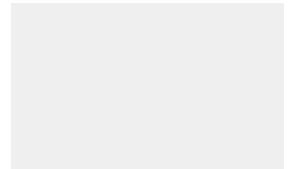
Peppermint
LRV: 75.20
NCS: S 0515-G



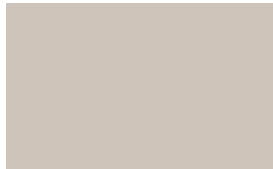
Iceberg
LRV: 65.96
NCS: S 1020-B



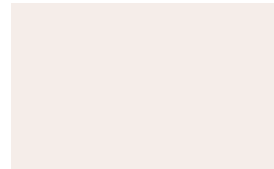
Duckegg
LRV: 80.32
NCS: S 0804-B50G



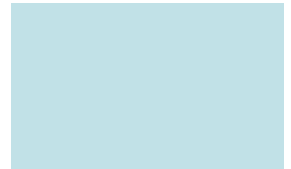
Porcelain
LRV: 73.28
NCS: S 0804-R70B



Putty
LRV: 41.58
NCS: S 3005-Y50R

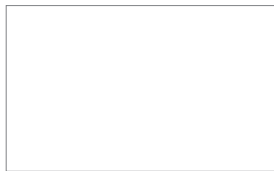


Cotton
LRV: 82.91
NCS: S 0502-Y50R



Aqua
LRV: 63.26
NCS: S 1015-B20G

Brights - Gloss Finish



Pearl
LRV: 89.28
NCS: S 0500-N



Sorbet
LRV: 64.08
NCS: S 0570-G60Y



Olive
LRV: 47.52
NCS: S 2030-G60Y



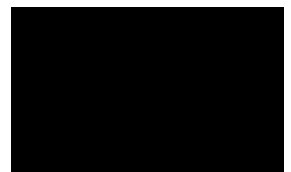
Sage
LRV: 41.05
NCS: S 3010-G40Y



Blueberry
LRV: 34.37
NCS: S 3030-R90B



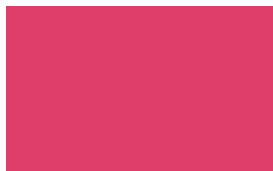
Iron
LRV: 14.63
NCS: S 7000-N



Onyx
LRV: 4.96
NCS: S 9000-N



Spice
LRV: 19.76
NCS: S 2075-Y60R



Fuchsia
LRV: 21.51
NCS: S 1070-R20B



Chilli
LRV: 11.83
NCS: S 2070-R



Plum
LRV: 9.26
NCS: S 4050-R30B

Colour Matching

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Light Reflectance Values

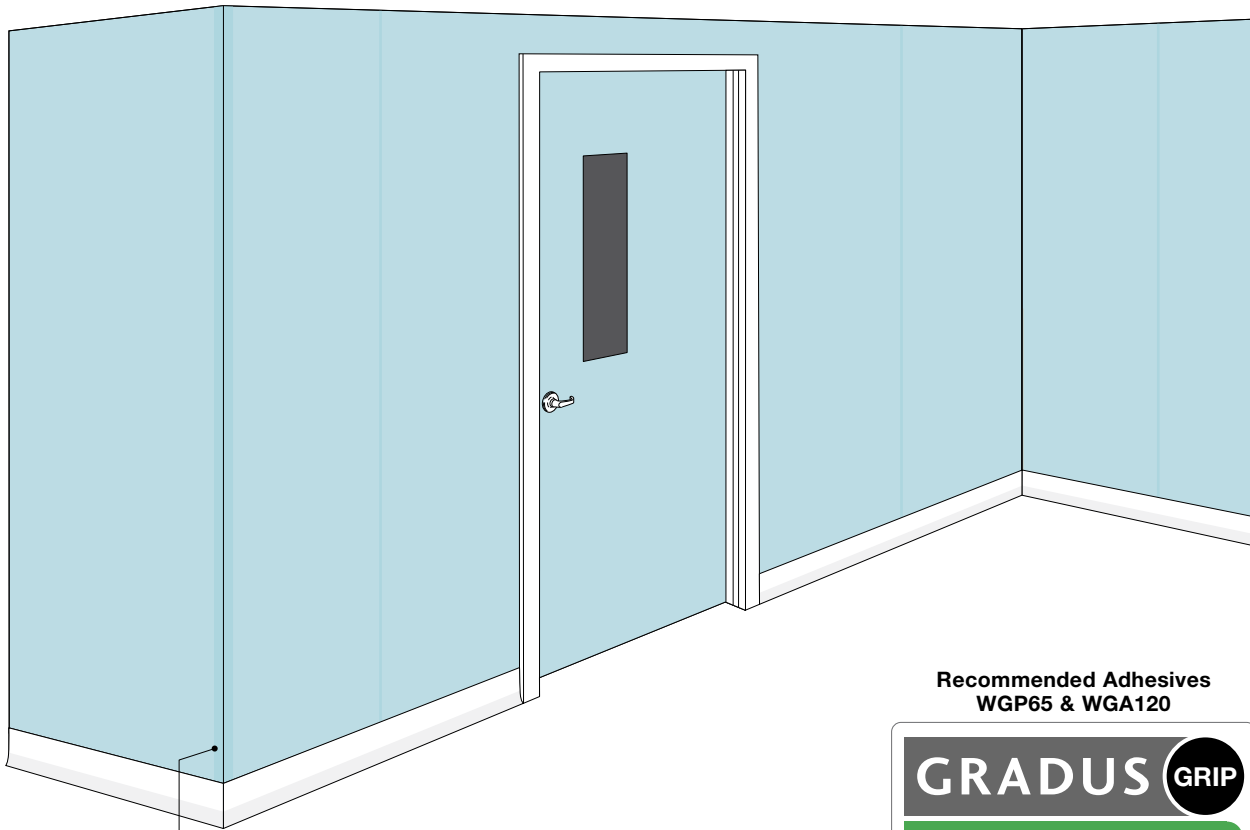
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SureProtect Pure® - Technical Information

Installation example



SureProtect Pure® can also be thermoformed on-site during installation.

**Recommended Adhesives
WGP65 & WGA120**



See page 35

SureProtect Pure® PVC-u Sheet

Sheet available in the following sizes.

Code	Colour Availability	Length	Width	Thickness
SPP25W/2440	White	2440mm	1220mm	2.5mm
SPP25W/3048	White	3048mm	1220mm	2.5mm
SPP25P/2440	Pastels	2440mm	1220mm	2.5mm
SPP25P/3048	Pastels	3048mm	1220mm	2.5mm
SPP25B/2500	Brights	2500mm	1220mm	2.5mm
SPP25B/3048	Brights	3048mm	1220mm	2.5mm

Performance

SureProtect Pure® has been extensively tested to the following standards to ensure suitability in hygienic applications.

Maximum Temperature

Should not exceed temperatures of 60°C.

Test	Description
Bacterial	Tested according to ISO 22196:2011
Food Contact	Meets EU Commission Regulation 10/2011 with regard to food contact
Fire	Tested for reaction to fire according to EN 13501-1 achieving Class B-s3, d0
Impact	Tested to BS EN 438-2 providing a comparative measure of the impact absorption of SureProtect Pure® against standard ceramic tile. The test demonstrates that SureProtect Pure® PVC-u sheet can withstand significantly higher impact without damage occurring. Tested to ISO 6603-1:2000 Determination of puncture test.

Joining & Corner options - White (Length 2440mm & 3048mm)

1 Part Joiner **SPP/1PJ**
Dimensions: 22.6, 46.5, 7

2 Part Transition **SPP/2PT**
Dimensions: 19.5, 22.5, 6

Internal Corner - Small **SPP/ICS***
Dimensions: 18.9, 14.9, 14, 16.5

External Corner **SPP/EC***
Dimensions: 16.6, 17, 24

2 Part Joiner **SPP/2PJ**
Dimensions: 19.5, 48.8, 6

2 Part Capper **SPP/2PC**
Dimensions: 13.6, 22.5, 7

1 Part Capper **SPP/1PC**
Dimensions: 14.5, 28.5, 6.8, 1.5

50mm Internal Angle **SPP/IA50**
Dimensions: 50, 50, 90°

50mm External Angle **SPP/EA50**
Dimensions: 50, 50, 90°

WR80 Weld Rod

Or Silicone Sealant **SC310**

* Also available in Pastels and Brights 3048mm length only

Joining options - Pastels and Brights (Length 3050mm)

2 Part Transition **SPP/2PT**
Dimensions: 19.5, 22.5, 6

2 Part Capper **SPP/2PC**
Dimensions: 13.6, 22.5, 7

2 Part Joiner **SPP/2PJ**
Dimensions: 19.5, 48.8, 6

WR80 Weld Rod

WR50 Weld Rod

Or Silicone Sealant **SC310**

Sealant & Fixings

Silicone Sealant	Weld Rod	Double Sided Tape	Gradus Grip Adhesive
SC310 - Available in all colours	WR80 - Available for White plus all Pastel colours (See page 33 for reference) WR50 - Available for all Brights plus all Pastel finishes (See page 33 for reference)	NOVAF302RF - 3mm thickness (50mm x 25m) NOVAF200RF - 2mm thickness (50mm x 40m)	WGP65 2-part polyurethane (6.5kg tub) WGA120 1-part acrylic (12kg tub)

Stainless Steel Corner Guards are also available see page 68

Aluminium Chequer Plate



Aluminium chequer plate wall and door panels are strong and durable, ideal for use in areas subject to frequent, heavy wheeled traffic e.g. service corridors, loading areas and car parks.

Profile

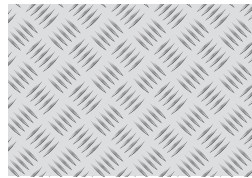
- Panels are light-weight and are both easy to install and keep clean
- Aluminium chequer plate sheets reduce maintenance costs by eliminating the need to repair and repaint wall surfaces. The embossed chequer pattern conceals the effects of any surface damage caused by wheeled traffic
- Suitable for both interior and exterior environments
- Supplied undrilled
- Note: an exact pattern match cannot be guaranteed
- Chequer plate corner guards also available page 68

Sheet dimensions

- Thickness - 2mm
- Sheet sizes - 2500mm x 1250mm

Bespoke options

- Cutting, drilling and custom fabrications



Aluminium Chequer Plate Corner Guard also available see page 68

Code: **CPA2/2500/1250**

Stainless Steel Sheet



Stainless steel is a robust, durable, heat resistant hygienic material ideally suited for clinical areas, splashbacks and areas exposed to heat.

Profile

- 304 grade Stainless Steel with Satin finish (other grades available)
- Robust, durable hygienic material
- Suitable for Hygienic environments e.g. food preparation, areas and laboratories
- Cut to individual size requirements
- Suitable for interior applications
- Stainless Steel Corner Guards also available see page 64

Sheet dimensions

- Thickness - 1.5mm
- Sheet sizes - 2500mm x 1250mm

Bespoke options

- Cut to individual size requirements



Code: **K130/SPEC**

FLOORISTÁ

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