

CS' most environmentally friendly surface protection is designed to maximise the lifecycle of interior surfaces, while protecting the environment.



CE Marked



B-s1, d0



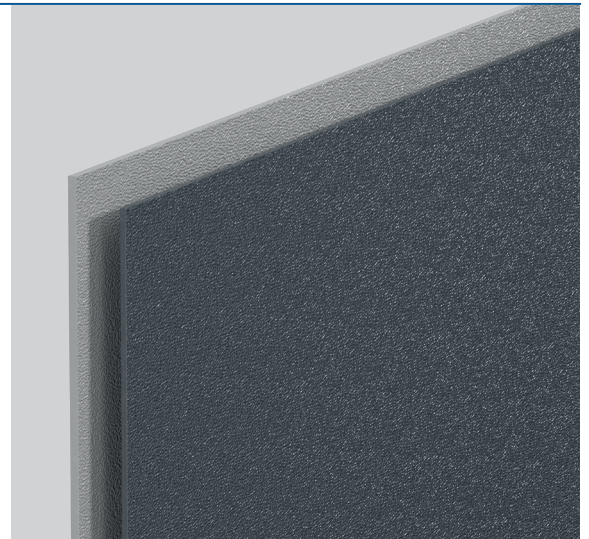
Class A+



www.c-sgroup.eu/8138

The 100% recyclable material is free from PVC, Persistent Bioaccumulative Toxins (PBTs), Bisphenol A (BPA), as well as halogenated or brominated fire retardants.

Recently assessed under the globally recognised **Cradle to Cradle Certified™ Products Program**, Acrovyn PVC-Free achieved Bronze certification, making it a sustainable wall protection choice for green building schemes.



KEY FEATURES:

- Impact, scratch and abrasion resistant
- Easy to cut, form and apply to a variety of substrates
- Two thicknesses available to suit protection requirements
- Through-coloured and textured to hide scratches and abrasions
- Impervious and non-porous surface, resistant to most stains or chemicals
- Easy to clean and maintain

APPLICATIONS:

- Walls in corridors, entrances or waiting areas and other areas requiring a durable wall finish
- Reception desks
- Columns



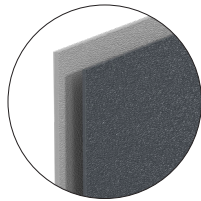
PRODUCT SPECIFICATION

Thickness and size

1.5mm thick: 3000mm x 1300mm

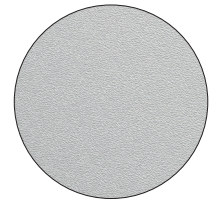
1mm thick: 3000mm x 1300mm

Custom sizes within given dimensions available.



Suede texture

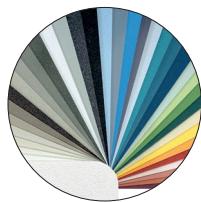
Light, Suede texture gives the material a contemporary appearance, fit for any type of interior.



DESIGN OPTIONS

Colours

Acrovyn PVC-Free Sheet is available in 36 solid colours, see page iii for details.



Shapes

Creative designs, signage and logos can be supplied. Please send your designs in a .dxf format or contact us to discuss your requirements.



PERFORMANCE

Impact and abrasion resistance

Acrovyn PVC-Free Sheet is a highly durable, through-coloured and textured material, designed to conceal the effects of impact and abrasion. Tested for impact damage to EN ISO 6603-1:2000 and abrasion resistance to ASTM D4060.

Cradle to Cradle Certified™

Acrovyn PVC-Free Sheet has achieved Bronze Level Cradle to Cradle certification.



VOC emissions testing

When tested in accordance with ISO 16000 series principles, Acrovyn PVC-Free Sheet has achieved A+ emission class.

Environmental Product Declaration (EPD)

Acrovyn PVC-Free Sheet has been independently assessed according to ISO 14025 for its environmental impact (EPD registration number S-P-02037 applies). The EPD can be viewed on www.environdec.com or on our website www.c-sgroup.co.uk/8138.

Life expectancy

Acrovyn PVC-Free Sheet is designed to offer long lasting protection to building interiors. A life expectancy of the product is up to 25 years, assuming it has been specified correctly, has been installed and maintained according to the manufacturer's recommendations, and is not subjected to unusual conditions.

Fire performance

Tested to EN ISO 11925-2 and EN 13823 and classified according to EN 13501-1 as class **B-s1, d0**.

Acrovyn Sheet has a Gross Heat of Combustion (calorific value) of **22,335 MJ/kg**. Tested in accordance with EN ISO 1716.

Bacterial and fungal resistance

Acrovyn PVC-Free Sheet does not propagate the growth of bacteria or fungi on a clean surface. However, the anti-microbial properties of the product do not negate the need for a rigorous cleaning regime. Tested to EN ISO 846: 1997.

Chemical resistance

Acrovyn PVC-Free Sheet is formulated to resist most commonly used chemical solutions. Contact us for full chemical resistance data.

Cleaning and maintenance

Acrovyn PVC-Free Sheet can be cleaned using soapy water, commonly used disinfectant cleaning agents, or domestic cleaning products. Tested to ASTM D1308.

The material has also been tested and certified to be suitable for cleaning using steam cleaners with appropriate attachments, such as mops (150°C hot steam at max 5 bar pressure setting).

Thermal performance

Acrovyn PVC-Free Sheet will expand and contract with changes in temperature, in the order of 0.09mm/m for every one degree Celsius rise or fall. It is important to allow for this at sheet edges, joint positions etc.

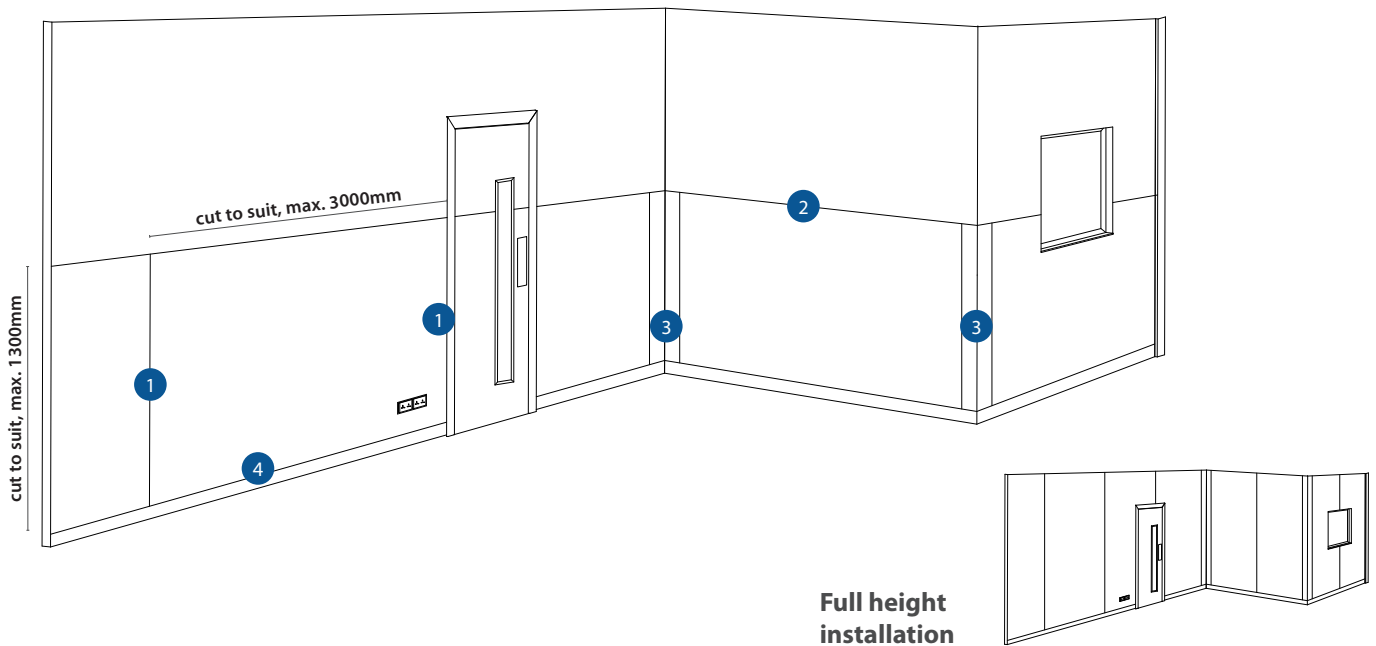
SOLID COLOURS

9003 Snow White LRV 86	9010 Pure White LRV 83	933 Mission White LRV 74	100 Eggshell LRV 73
801 Grey Cloud LRV 64	187 Tan Bark LRV 40	26 Taupe LRV 24	8019 Earth LRV 7
7044 Felt LRV 50	136 Pearl Grey LRV 39	162 Charcoal LRV 22	7043 Anthracite LRV 14
260 Misty Grey LRV 80	24 Dove Grey LRV 49	7024 Graphite LRV 10	108 Black LRV 8
11 Aqua Blue LRV 50	325 Cape Blue LRV 32	112 Pacific Blue LRV 24	520 Imperial Purple LRV 16
1015 Ice Blue LRV 63	5018 Lagoon LRV 31	4030 Baltic Blue LRV 20	129 Yale Blue LRV 8
1510 Almond Green LRV 60	22 Anise LRV 56	3040 Prairie Green LRV 29	6020 Sequoia Green LRV 13
101 French Cream LRV 70	16 Golden Yellow LRV 66	17 Tangerine LRV 47	845 Spectrum Red LRV 15
510 Powder Pink LRV 79	2040 Coral Blush LRV 31	2050 Pink Grapefruit LRV 28	32 Sugar Plum LRV 13

Light Reflectance Value (LRV) indicates the amount of light reflected by a surface and can be used to assess the degree of visual contrast between different surfaces. LRV values for Acrovyn colours have been determined using the CIE Y value measurement method.

NOTE: Due to limitations of print and computer screens, actual colours may vary from those displayed on these pages. Samples of all colours are available upon request.

EXAMPLE INSTALLATION



1 VERTICAL JOINTS, EDGES AND CUT OUTS

Like most materials, Acrovyn PVC-Free Sheet will expand and contract with changes in temperature. If temperature fluctuations are to be expected, it is important to allow for this at sheet edges, in joint positions and around cut outs during installation. A 2-3mm gap is usually sufficient, for details refer to installation instructions. The following finishing options are available:

Mastic Joints

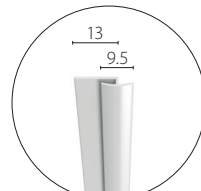
Mastic sealant is easy to apply and forms an impervious seal in vertical joints, around edges or cut outs. Available in 36 solid colours. Supplied in 300ml tubes.



IACC-SC

Acrovyn PVC-Free Vertical Trim

For use in vertical joints in continuous runs. Available in 3m lengths in 6 standard colours. See page v for options.



AE-1068

Hot Welded Joints

Welded joints can be achieved with 1.5mm sheet option.

PVC-Free rods are available in 36 solid colours, in rolls of 100m.



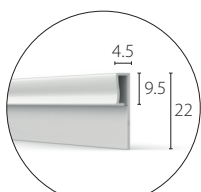
AE-1006

2 TOP EDGE OPTIONS

If required, the following top edge options can be used in part height wall installations:

Acrovyn PVC-Free Edge Trim

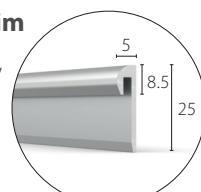
Available in 3m lengths in 6 standard colours. See page v for options.



AE-1069

Aluminium Edge Trim

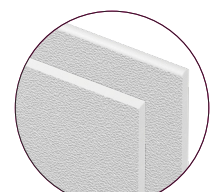
Available in 3m lengths, in natural anodised finish.



AE-1161

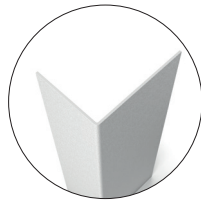
Bevelled Edges

Straight cut edge is standard, 45° or round bevel can be supplied on request with 1.5mm thick sheet.



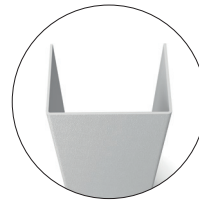
3 FITTING AROUND INTERNAL OR EXTERNAL CORNERS AND OTHER FEATURES

Acrovyn PVC-Free Sheet can be formed on site to fit around internal or external corners, columns or skirting boards. Pre-formed sections can be supplied to order.



ANGLES

- from 45° to 179°
- even or uneven leg sizes

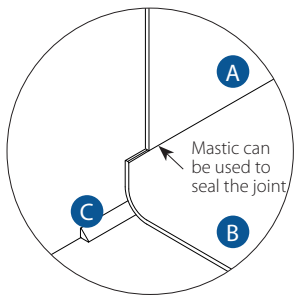


CHANNELS

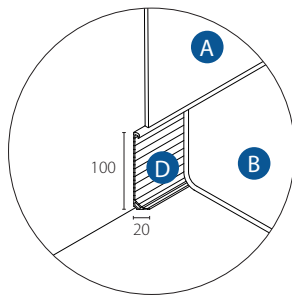
- 2 folds
- bespoke dimensions

4 WALL-TO-FLOOR INTERFACE OPTIONS

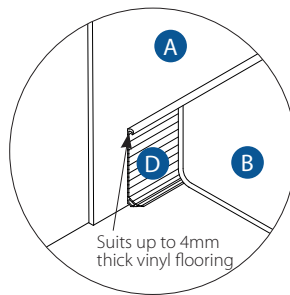
Typical interface details with vinyl flooring



Sheet abutting to vinyl flooring.



Installation utilising CS Combined Cap and Cove Former Trim with sheet abutting the trim, or fitted behind it.



Suits up to 4mm thick vinyl flooring

- A** Acrovyn PVC-Free Sheet
- B** Vinyl flooring
- C** Cove former (by others)
- D** CS Combined Cap and Cove Former Trim (**AE-1171**)
Made of flexible PVC, available in Grey or White, in 4m lengths.

TRIM COLOURS

Acrovyn PVC-Free Trims are available in 6 standard colours.



933 Mission White



100 Eggshell



187 Tan Bark



136 Pearl Grey



162 Charcoal



129 Yale Blue

* Additional colours are available, subject to extended lead time. Contact us for details.

COMPLEMENTARY PRODUCTS

Corner guards are often specified with Acrovyn PVC-Free Sheet applications. For a full range of options and further details visit our website.

SM-20N

76mm leg
90° corners
Heavy Duty
15 solid colours



SSM-20N

51mm leg
90° corners
Heavy Duty
15 solid colours



TF-N

Custom sizes
90° corners
Medium Duty
36 solid colours



STAINLESS STEEL

30, 50, 75mm leg
90° & custom corners
Heavy Duty
Grade 304L, Brushed Finish

