

C/S Acrovyn® Hydroclad

Hygienic Smooth Sheet



C/S ACROVYN® HYDROCLAD SMOOTH SHEET

Acrovyn® Hydroclad smooth wall cladding provides an impervious hygienic and impact resistant surface for internal walls. It is particularly suitable for hygienically sensitive areas such as food processing and preparation areas, laboratories, medical and surgical facilities, which require a smooth, seamless and easy to clean surface. Acrovyn Hydroclad is easy to install and with several jointing options, there is a solution for all technical requirements.



Welded joints in the operating theatre environment



Trim jointing in the hospital kitchen corridors



Mastic joints in a busy commercial kitchen

FEATURES

- Smooth, impervious and non-porous
- 2mm thickness
- Harbours no germs, fungi or bacteria
- Anti-bacterial additive throughout the sheet composition
- High impact resistance
- Resistant to chemicals, acids, alkalis, grease etc.
- Jointing options:
 - colour matched mastics
 - trim sections with integral co-extruded gasket to create a sealed joint
 - vinyl welding
- Can be thermoformed for corners and reveals

BENEFITS

- Easy to maintain and clinically clean - aids in the fight to combat MRSA, E. coli etc.
- Avoids health risks associated with cracked tiles and unsightly grout
- Enhances appearance
- Reduces maintenance costs

TYPICAL APPLICATION AREAS

- Food processing and preparation
- Operating theatres
- Laboratories
- Medical and surgical facilities
- Pharmaceutical industry

STANDARD COLOUR OPTIONS



9003 Snow White



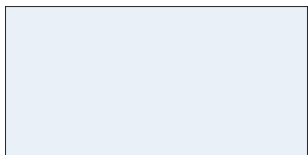
101 French Cream



879 Dusty Jade



1014 Arctic



1012 Glacier



1013 Seaspray

Note: Due to the limitations of the printing process, actual colours may vary from printed version. Samples of colours are available upon request on +44 (0)1296 652800.

TECHNICAL SPECIFICATION

Sheet dimensions:	2750mm x 1220mm 2250mm x 970mm
Thickness:	2mm
Surface finish:	Satin
Weight:	2.8 kg/m ²
Impact strength izod notch hardness:	11 KJ/m ²
Co-efficient of thermal expansion:	0.07mm/m °C
Specific gravity (indicative):	1.4 kg/m ³
Maximum service temperature:	60°C
Tensile strength:	350 Kgf/cm ²

Chemical, fungal and bacterial resistance

Acrovyn Hydroclad Sheet is formulated to resist most commonly used chemical solutions, bacteria and mould growth. It contains silver nitrates, which inhibit the growth of bacteria on a clean surface. However, anti-bacterial properties of the product do not negate the need for a rigorous cleaning regime.

Tested in accordance with BS 2782-8: Method 830A: 1999, BS EN ISO 175: 2001 (Chemical) and BS EN ISO 846: 1997 (Bacterial and Fungal Resistance).

Fire resistance

Acrovyn Hydroclad Sheet complies with the requirements for Class 1 surface spread of flame, with a Class 0 designated surface as defined in Appendix A of Approved Document B (Fire Safety) - Volume 2, to the Building Regulations 2000 (2006 Edition) and as tested to BS 476-6: 1989 and BS 476-7: 1997.

Food Safety

Acrovyn Hydroclad Smooth Sheet conforms to the Food Safety (General Food Hygiene) Regulations 1995.

It also conforms to EC Directives and Environmental Health Officers regulations relating to materials and articles intended to come into contact with foodstuffs.

Cleaning

Regular cleaning using a soft cloth and a suitably diluted mild detergent is all that is normally required. Stubborn marks are easily removed from Acrovyn Hydroclad Sheet to leave a 'good as new' surface finish.

For best results use **C/S Acrovyn Gel Cleaner** available in 500ml bottles. Tested in accordance with BS EN 1230-2:2001. The results show that **Acrovyn Gel Cleaner** does not taint food.

INSTALLATION OF HYDROCLAD SHEET

Should you require an installation service, C/S offer installation through our sister company Conspec Contracts Ltd. Please contact us for details on +44 (0)1296 652800.

If you are installing Acrovyn Hydroclad Sheet yourself, please note the following:

Handling and acclimatisation

- Store unused sheet flat
- Acclimatise sheet in installation environment (or similar temperature) for min. 24 hours prior to commencement of works
- Sheets are supplied with a protective film to the face side that should be left in place until the room is ready for use

Thermal Performance

Hydroclad Sheet will, like most materials, expand and contract with changes in temperature, in the order of 0.07mm/m for every one degree Celsius rise or fall. It is important to allow for this at sheet edges, joint positions etc. when adhering the sheeting.

Preparation of surfaces

- Surfaces should be clean, smooth, dry, free of dust, grease or other foreign matter
- Porous wall surfaces should be sealed using a suitable primer/sealer e.g. thinned adhesive solution

Cutting

Sheet can be cut with a fine toothed hacksaw, or scored several times with a craft knife against a straight edge then simply snapped away

Thermoforming

C/S Acrovyn Sheet can be thermoformed on site. For full instructions please contact us on +44 (0)1296 652800.

Adhesives

- Test proposed adhesive with existing surface finish to ensure an optimum bond can be created. We recommend that the test area should be left for 24 hours
- C/S recommend the use of a contact adhesive such as Fastbond 10, Fastbond 30 and Grabfast*, which can be ordered direct from our factory

Jointing options

- Colour matched **C/S Mastic** is available for fast and easy installation. An even gap must be allowed between sheets, to facilitate mastic application
- **Vertical joint trims and edge trims** are available. Please contact us for details
- **Vinyl welded joints** can be achieved for butt jointed Acrovyn sheet. An even gap of 2mm must be allowed between sheets to facilitate the weld

General installation notes – Dos and Don'ts

- Do maintain the same 'sheet orientation' throughout the complete application
- Do not thin the adhesive with water or solvent
- Do not use abrasive scourers, steel wool or other abrasive cleaning materials on Acrovyn Hydroclad Sheet

* Fastbond is the registered trade mark of 3M™ and Grabfast is a trade name of Gemini Adhesives Ltd

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C/S Wallglaze®
Specialist Coatings for Walls and Floors



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Solar Shading Systems



C/S Supertrak®
Cubicle Curtain Track



C/S Explovent®
Explosion Venting Systems



C/S offer a complete installation service through our sister company Conspec Contracts Ltd. They provide full site surveys, implement installation programmes and advise upon suitability of material. Conspec's experienced installation teams are CSCS accredited.



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BS EN ISO 9001:2000
Certificate No. FM21206