



HEALTHCARE

PROTECTION SOLUTIONS FOR HOSPITALS



HOSPITALS

DESIGNED FOR PATIENTS & STAFF

Designing Hospitals

FOR PATIENTS & STAFF

Whether you are designing small community healthcare buildings or large acute hospitals, your choice of finishes will have a direct effect on patients and staff.

Specifying the appropriate products, which provide value for money, innovative design and comply with the relevant codes, means you need an inspirational choice of complementary products.

Our reputation has been established over 30 years in the UK, providing innovative products for healthcare design. We actively encourage architects, design managers and facilities managers to consult with us so that we can work together to create inspirational designs for healing environments.

We can help you to enhance not only the design of your hospital, but also its functionality and maintainability.

We are here to help, so get in touch to discuss your design requirements:

Phone: 01296 652800

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Web: www.c-sgroup.co.uk



Protecting budgets with...

ACROVYN® DOORS

Hospital environments are particularly tough on doors. With traffic flowing through them 24 hours a day, damage is inevitable, from porters' trolleys, beds, wheelchairs, staff and patients.

With fire and patient safety of paramount importance, damaged doorsets have to be repaired or replaced quickly, often at great expense.

Acrovyn® Doors offer a welcome relief to the problem of damaged doorsets. Ideal for new or refurbished facilities, Acrovyn Doors provide superior impact protection, extended lifecycle and ease of cleaning.

Acrovyn Doors offer severe duty performance at a fraction of the cost of maintaining and replacing regular doorsets.

Available in a wide range of configurations and colours, Acrovyn Doors are a flexible and cost-effective solution.

- 30 and 60 minute resistance to fire and/or smoke
- BM TRADA Q-Mark certification for reliable performance of fire rated doors
- Easy to clean & maintain
- Wide range of colour and vision panel options
- Severe duty impact resistance



Case Study: St. Helier Hospital, Urgent Care Centre



The Urgent Care Centre at St Helier Hospital, which first opened in August 2011, has recently undergone a £5.5million expansion and improvement scheme. Spearheaded by Epsom and St Helier NHS Trust, the project will allow the centre to accommodate an extra 13,500 patients a year.

To meet the high performance requirements necessary in the hospital, C/S supplied durable 60 minute fire rated Acrovyn doors, as well as lead lined Acrovyn Doors for X-ray rooms. Where possible, C/S were able to reuse existing lead linings to help the trust bring the scheme in on budget.

To complete the package C/S also supplied complementary Wall Protection products (*hand/crashrails, corner guards and impact protecting sheet*) that tied into the colour schemes for each ward, aiding way finding for patients and staff.

Overall, the protection scheme provided by C/S will enable the department to treat the higher volume of anticipated

patients, without the high maintenance costs usually associated with an increased number of service users.

PRODUCTS INSTALLED:

- Acrovyn Fire Resistant Door Sets
- Lead lined Acrovyn Doors for X-Ray rooms
- Acrovyn profiles (hand/crashrails, corner guards)
- Acrovyn sheeting for walls

Protecting Walls with...

ACROVYN® PROFILES

Flat painted surfaces in hospital corridors and waiting rooms quickly become marked, scratched and damaged when in daily contact with hundreds of staff and visitors.

Acrovyn profiles are designed to withstand impact from trolleys, beds and passers by, so your walls don't have to. Whether you need an Approved Document M compliant handrail, a severe duty crashrail or corner guards, Acrovyn® is the ideal solution.

Acrovyn Profiles for Walls:

- Sheeting - bespoke designs available
- Handrails (DDA Compliant)
- Hand/crash Rails
- Crashrails
- Corner Guards



Case Study: Manchester PFI Hospital



The £500m redevelopment of Central Manchester University Hospital was one of the biggest healthcare projects in the UK.

Construction Specialties (C/S) supplied the complete wall protection solution and entrance matting, fitted by its in-house installation team, Conspec Contracts.

Providing a hygienic, impact resistant and durable finish to the walls of the hospital's four units, Acrovyn® wall protection profiles and sheeting were fitted throughout.

Acrovyn HRB20 combined hand/crash rails were used in corridors where patient support, in addition to impact protection, was required. In many areas a contrasting colour was used on the handrail section to help with the identification of the hospital department and level.

On many bed and FM trolley routes, Acrovyn SCR80M heavy

duty crashrails were installed to provide the best level of protection along busy corridors and ensure long term performance.

In zones of the atrium, public corridors, theatre corridors and kitchens, where impact damage was most likely to occur, extra protection was provided by 2mm thick Acrovyn® sheeting applied up to dado or full height. Maintaining the aesthetics of the building, SM20 and SCG75 corner guards were used to protect all vulnerable corners from damage..

PRODUCTS INSTALLED:

- Acrovyn Sheet
- SM20 & SM20 135° Corner Guards
- HRB20 Hand/crashrails
- SCR80M Crashrails

Protecting Walls with...

ACROVYN® SHEET

Acrovyn® Sheet can provide an impact resistant surface finish for many different situations, as it can be easily formed or moulded, before being adhered to a variety of substrates.

Acrovyn® is designed to make maintaining a functional hospital as easy as possible, with co-ordinated schemes designed to aid wayfinding and positively affect patients and staff.

Acrovyn can be used as a column casing, reception desk facing, or simply a decorative wall covering. Creating a bespoke solution for your hospital is always possible with the wide range of colour options, including Faux Wood and Faux Metal finishes.

Acrovyn® Sheet is a through-colour product, and can be supplied textured or smooth (Hydroclad).

SUITABLE FOR:

- **Wall Protection** - Full height or half height wall coverings
- **Door Protection** - Kick & Push Plates, Edge Protection & Frame Protection



Case Study: Alder Hey Children's Hospital



In 2010, Alder Hey Children's Hospital in Liverpool completed an extensive refurbishment to upgrade the interior of the Hospital.

C/S used its Acrovyn® textured sheeting to deliver a bespoke interior wall and door design. Creating a welcoming and comfortable environment for the young patients and families visiting the hospital.

The design developed by Mersey Design Group, in conjunction with C/S, aims to create a sense of being outdoors, which is proven to improve patient recovery times.

The Acrovyn® 2mm thick impact resistant textured sheet was pre-cut into shapes and applied to create a rainbow of colours on the lower part of the walls in the main entrance and lift areas, and a splash effect on the doors in and around the wards.

In the Burns Unit, curved strips of Acrovyn® sheet shaped to

match the floor design were installed at mid-wall height, and in the MRI facility, sheeting was cut into the shape of hills.

In line with Approved Document M for compliant wall and door protection, shaped Acrovyn® kick & push plates and Acrovyn corner guards were also installed throughout the hospital to provide contrast between doors and walls.

Providing impact protection to vulnerable areas, 2mm Acrovyn® textured wall sheeting was installed by C/S' in-house installation team, Conspec Contracts.

PRODUCTS INSTALLED:

- Cut Acrovyn Sheet
- SM20 Corner Guard
- SM20 135° Corner Guard

Protecting Walls with...

WALLGLAZE® HYGIENIC COATINGS

Resilient and hygienic wall and ceiling finishes have become essential in hospitals and laboratories, due to the threat of cross-contamination and the need to comply with stringent industry legislation.

Unlike conventional anti-bacterial paints, Wallglaze has non-leaching anti-microbial agents, which include bactericides and fungicides in every coat of the system, so even the most rigorous cleaning regimes do not diminish the coating's ability to inhibit microbial growth.

Third party tests have verified that Wallglaze offers a complete defence against most species of mould, bacteria and yeasts including MRSA, Salmonella, E-coli and many others.



WALLGLAZE PRODUCTS:

C/S WALLSHEEN - *Suitable for:* Reception areas and light/medium use circulation areas, wards, Cat. 1 ACDP clean rooms/laboratories & general storage areas

C/S WALLFLEX - *With hygienic mastic suitable for:* Operating theatres, Cat. 3 ACDP clean rooms/laboratories, bathrooms/shower rooms, hydrotherapy pool halls and changing areas

Without hygienic mastic suitable for: Clean corridors, treatment rooms, X-ray areas, Cat. 1 or 2 ACDP clean rooms/laboratories

C/S ARMOURGLAZE - *Suitable for:* Cat. 3 & 4 laboratories, mortuaries

FEATURES:

- Non-leaching anti-microbial agents in every coat of the systems
- Chemical resistance levels to suit project requirements and cleaning regimes
- Can be decontaminated from radioactivity (Wallflex)
- VOC levels compliant with legislation
- Scrub and abrasion resistant
- Fibreglass (FG) reinforcement options for increased abrasion/impact resistance

Case Study: Pembury PFI Hospital, Tunbridge Wells



The Pembury hospital in Tunbridge Wells is England's first NHS hospital to offer all inpatients their own en-suite single rooms. The local NHS Trust invested £230 million in the new hospital which now serves a population of 500,000.

C/S's Wallflex and Armourglaze hygienic coatings were applied in patient bathrooms, operating theatres, kitchen areas and mortuary/postmortem rooms.

Offering a seamless, durable finish against tough, chemical based cleaning products, Wallglaze is ideal for medical environments.

From the Acrovyn range, C/S' in-house installation team, Conspec Contracts, installed more than 1800m of Approved Document M compliant handrails throughout the hospital to aid patient transport.

To help maintain the appearance of the building, 5000m of crash rails and 250 corner guards were also used to protect the internal walls from damage and daily wear and tear as a consequence of the high volume of traffic passing through the corridors. Additional products included cubicle curtain tracks offering additional patient privacy.

PRODUCTS INSTALLED:

- Wallflex Hygienic Coating
- Armourglaze Hygienic Coating
- 1800m Acrovyn Handrails
- 5000m Acrovyn Crashrails
- 250 Corner Guards

Improve patient recovery time with...

ACROVYN IMAGINE®

Art in the healthcare environment acts as a positive distraction for the patients, staff and visitors. Various studies have linked clinical, social and economic outcomes to hospital art programmes.

Art can positively influence patient recovery time, blood pressure, heart rate and even reduce intake of pain medication.

At C/S we are strong believers in the benefits of artwork in the healthcare environment, and as such we have created a new medium for displaying artwork.

Acrovyn Imagine® allows you to embed images or artwork, in durable and scratch resistant Acrovyn® material.

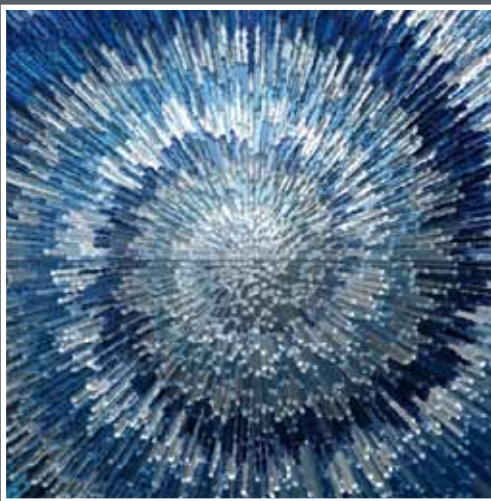
Designed with durability in mind, Acrovyn Imagine® gives design flexibility without compromising infection control or cleanability of areas.

The unique combination of artwork and wall protection allows you to create a bespoke floor to ceiling mural in a high traffic area of your hospital, without the worry of damage to artwork or your walls.

SOOTHING IMAGERY



ARTWORK



TIE TO COMMUNITY



Get creative...

ONE WALL, INFINITE POSSIBILITIES

From this...



To this...



ACROVYN IMAGINE®

WWW.C-SGROUP.CO.UK/IMAGINE-HEALTH

Protecting Floors with...

PEDISYSTEMS® - ENTRANCE MATTING

A large amount of dirt and moisture can enter a hospital on the soles of shoes, trolleys and wheelchairs. An effective entrance matting system can trap up to 80% of that dirt at the door, helping to reduce overall maintenance costs in the hospital and keep the interior clean and safe.

Our range of entrance matting systems suits all budgets and applications, from the exceptionally luxurious to the more modest entrances. Suitable for indoor and outdoor applications, Pedisystems® is a cost effective, versatile range that will help to reduce your interior cleaning costs.

Pedisystems Products:

- **Pediluxe** - 17mm deep, 500kg/wheel rolling load, 80% absorption area
- **Pedimat Ultra** - 11mm deep, 275kg/wheel rolling load, 80% absorption area
- **Pedimat** - 11mm deep, 225kg/wheel rolling load, 65% absorption area
- **Helix** - PVC/NBR interlocking tile, available with or without carpet inserts, 55% absorption area (with inserts)
- **Tetras Clean-off Carpet Tiles** - 10mm thick, 100% absorption area, 500mm x 500mm tiles.

FEATURES:

- Zonal concept for whole building protection
- Recess or surface mounted options
- Choice of tread types and colours
- Different finish options
- Logo option
- Easy to clean & replace



Case Study: Walsall Manor Hospital



In 2010, as part of a 40,000m² extension to the 150 year old original Walsall hospital, C/S supplied and installed a comprehensive range of wall and floor protection systems.

To prolong the life of the interior floor finish and to reduce cleaning requirements, ten Pediluxe® mats were used at the entrances.

This aluminium profile system offers high dirt containment, is easy to clean, and provides an even surface for wheeled traffic to travel across. With a surface absorption area of 80%, the Pediluxe® mats prevent water from being trodden into the building, which reduces the risk of slippages for patients, visitors and staff.

In addition, over five kilometres of Acrovyn® wall protection profiles (crash rails, rub rails and corner guards) were used in the corridors throughout the hospital, giving impact protection to the interior walls. To provide support for

pedestrians, Approved Document M compliant handrails were installed in circulation routes.

All products were installed by the company's in-house installation team Conspec Contracts.

PRODUCTS INSTALLED:

- C/S Pediluxe®
- Acrovyn® Crashrails
- Acrovyn® Corner Guards
- Acrovyn® Handrails
- Acrovyn® Sheet
- C/S Gasketed Expansion Joint Covers

Protecting Patient Dignity with...

SUPERTRAK® PLUS - CUBICLE CURTAIN TRACK

Patient dignity is a high priority for the NHS, with the encouragement to eliminate mixed-sex wards from 2011 onwards. In large open wards especially, simple, cost effective patient dignity solutions are essential.

Supertrak® Plus is designed to be completely flexible in configuration to meet individual ward requirements, and is fully HTM 66-2005 compliant. The rigid structure and rod suspender system allow the track to span large distances, making it quick and easy to assemble, and hassle free for staff and patients to use.

FEATURES:

- Strong aluminium construction
- Smooth running action
- Flexible configurations
- Easy curtain change runner access points
- Powder coated finish
- Rigid & durable



Supertrak® Plus Configurations:

C/S Supertrak® Plus will satisfy every possible configuration. Layouts shown below indicate the possible positions of the components used for various typical bed layouts, and are intended as a guide only.



Protecting Hospitals with...

ALLWAY® - EXPANSION JOINT COVERS

Often required in hospitals due to large footprints, C/S Allway® Expansion Joint Covers are available in a range of different options, from modest cover plates to the most sophisticated multi-directional assemblies, to suit a variety of situations and budgets.

We offer a range of flush fitting, wheel friendly, watertight and easy to clean joint covers that can be sealed with mastic to enhance infection control, including models that can be retro-fitted.

FEATURES:

- Interior joint covers for floors, walls & ceilings as well as exterior options available
- Accommodating a wide range of movements
- Flush finish to prevent trip hazards
- Replaceable gaskets
- Products suitable for infection control areas



Case Study: Aneurin Bevan Hospital



Aneurin Bevan, the first publicly funded hospital in the UK with single rooms, was supplied with C/S expansion joint covers to meet the building's movement requirements.

The new-build hospital required an EJC solution for the floors that would be safe, efficient and provide minimal visual impact. The flush finish, gasketed GTR-200 and GFPS-200 series were selected as they met the movement and infection control requirements.

The recess mounted, double gasketed GTR joint covers incorporate a recessed centre plate which received the same vinyl floor finish as that adjacent to the joint cover. In some areas, where the movement requirement was less, the smaller, single gasketed GFPS-200 was installed. Both EJC systems allow the floor finish to butt against the joint and therefore appear integral with the floor finish providing minimal visual impact. The flush fit also ensures a hygienic

surface, imperative for a hospital environment whilst making it easy for wheeled traffic to travel across smoothly.

To complement the floor joints, C/S SMN series wall covers were installed offering a clean, simple finish for the wall.

C/S also supplied and installed a selection of Acrovyn handrails, crashrails, corner guards and bed locators. As well as Supertrak Cubicle Curtain Track.

PRODUCTS INSTALLED:

- GTR-200 Floor Joint Covers
- SMN Wall & Ceiling Joint Covers
- Acrovyn Wall, Door & Corner Protection
- Supertrak Cubicle Curtain Track

**PROTECTION SOLUTIONS FOR
HOSPITALS:**

ACROVYN®
WALL & CORNER PROTECTION

WALLGLAZE®
HYGIENIC COATINGS

ACROVYN®
IMPACT RESISTANT DOORS

SUPERTRAK®
CUBICLE CURTAIN TRACK

ALLWAY®
EXPANSION JOINT COVERS

CONSPEC CONTRACTS
INSTALLATION DIVISION

PEDISYSTEMS®
ENTRANCE MATTING

**IMPROVE
INFECTION
CONTROL & LIFT
THE LOOK AND
DURABILITY OF
YOUR HOSPITAL
WITH FINISHING
PRODUCTS
FROM
CONSTRUCTION
SPECIALTIES**

For a full list of our products and services please visit:
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