



C/S Acrovyn®

Wall, Door and Corner Protection

C/S Wallglaze®

Specialist Coatings

C/S Pedisystems®

Entrance Matting Systems

C/S Allway®

Expansion Joint Covers

Protection Solutions for Schools

Designing Schools for the Future

It has been widely recognised that school design has a significant impact on the effective delivery of both learning and teaching. The main challenge for designers, contractors, and other parties involved in the design and procurement process, is to create welcoming and inspiring environments, using quality interior finishing products that will withstand robust usage of the facilities for many years.

The DfES School Buildings and Design Unit document 'Key Design Guidance for Schools: access to information for school design' (April 2003, updated August 2004) is a guide applicable to all schools. It contains recommendations regarding current statutory legislation and references to guidance documents on good practice, and provides an excellent starting point for design.

Commission for Architecture and the Built Environment (CABE) promotes high design standards in the 'Achieving well designed schools through PFI: Client Guide'.

CABE recognises five principles of good design:

1. Functionality in use
2. Build quality
3. Efficiency and sustainability
4. Designing in context
5. Aesthetic quality

In the document, CABE also identifies key points for the good design of a school, which include:

- attractiveness in design, (...) to inspire pupils, staff and parents
- robust materials that are attractive, that will (...) wear well and that are environmentally friendly



At Construction Specialties (UK) Ltd we specialise in providing finishing products for the whole school environment.

- **C/S Acrovyn®** wall, door and corner protection products are effective at preventing damage to vulnerable areas and also help to encourage respect for internal appearance of the building.
- **C/S Wallglaze®** coatings which last five times longer than a traditional paint finish
- **C/S Pedisystems®** entrance matting minimises the ingress of shoe-borne dirt and encourages pupils to take pride in the appearance of their school.
- **C/S Allway®** expansion joint covers can help solve difficult junction details. Choose from the full range of covers for new-to-new or new-to-existing building movement joints.

Protecting Schools with C/S Acrovyn®

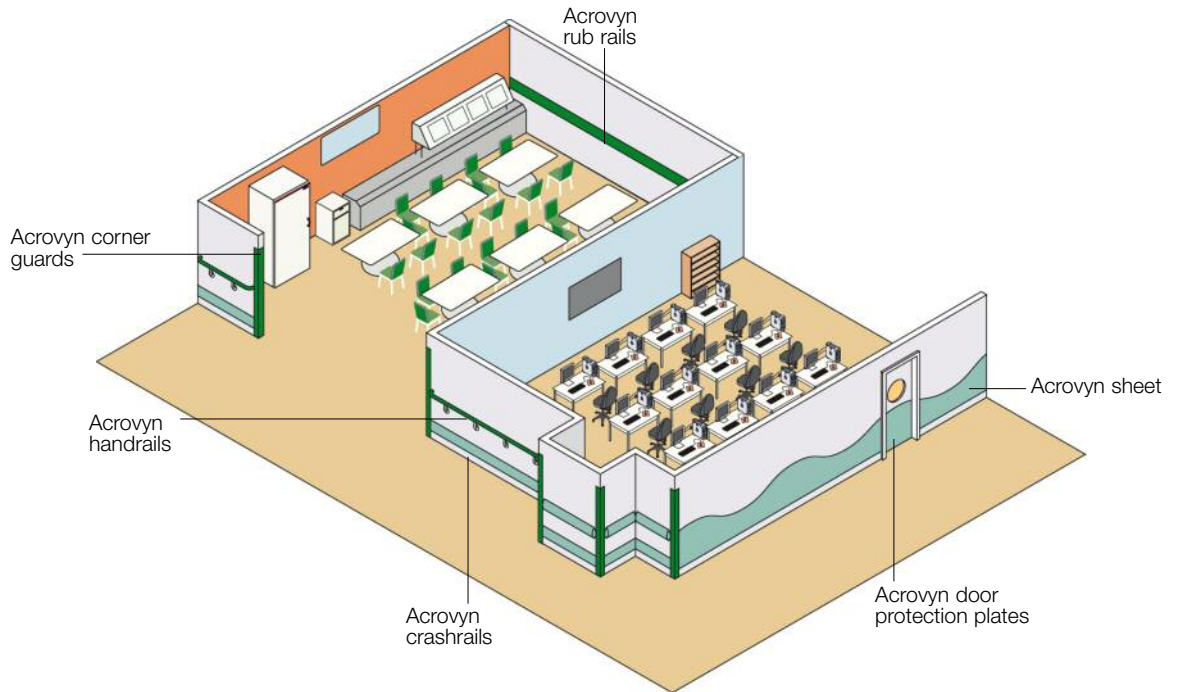
The building fabric of busy schools is often subjected to extensive wear and tear, resulting in impact damage.

Impact damage most frequently occurs due to:

- Doors being open by feet and/or trolleys and repeatedly scuffed or impacted
- Bags/rucksacks causing wall surface scuffing
- Chair backs impacting walls

The effects of this kind of impact damage can be minimised by carefully considering:

- Circulation spaces, including lift lobbies, main corridor routes and refectories
- Likely congestion areas
- Trolley routes around buildings



Choosing the right kind of impact protection for these vulnerable zones is then relatively easy, consider:

- The optimum height for corner guards
- Will impact sheet be required to doors and walls
- Whether handrails will be required to comply with the requirements of the Approved Document M
- Do handrails also need trolley plates behind them to further protect the walls
- The position of crashrails in relation to trolley sizes

Protecting Doors with C/S Acrovyn®

Natural bottle-necks and in constant everyday use, school doors inevitably take a lot of knocks. Aesthetically pleasing C/S Acrovyn impact protection sheet has the toughness and durability to keep doors looking good.

ACROVYN PRODUCTS FOR DOORS:

- Kick plates and push plates
- Door edge channel protection
- Door frame angle protection
- Door encapsulation

FEATURES:

- Easy to clean
- Anti-bacterial properties
- Fire resistant
- Can be cut to shape
- Wide range of colours and Faux Wood finishes
- Easy to apply to new or existing doors

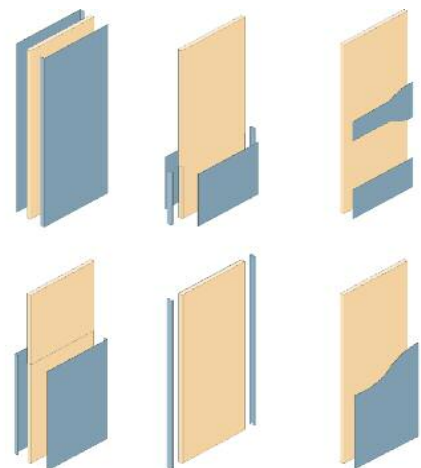
BENEFITS:

- Reduced long-term costs
- Enhanced appearance
- Life of doors prolonged



Acrovyn sheet is available in 30 solid colours as well as five realistic woodgrain finishes and Brushed Silver simulated metal finish.
Above: Faux Wood Acrovyn sheet was used on doors and lockers at Sandon High School, Stoke on Trent

Door Protection Options



ACROVYN FACED DOORS - LIFECYCLE COSTS

	Approx. Capital Spend per Door	Maintenance 10 years	Maintenance 25 years	Total Costs
Frame & Laminated Doors	£350	£700 (new door every 5 years)	£1,750	£2,100
Frame & Acrovyn Faced Door + Hardwood Lipping	£500	£120 (new lipping every 5 years)	£300	£800
Savings				£1,300 = 62%

Protecting Walls with C/S Acrovyn®

Flat painted surfaces quickly become marked and scratched when in daily contact with hundreds of pupils. Fitting C/S Acrovyn impact protection sheeting, trolley plates and corner guards is a simple, cost-effective solution.

ACROVYN PRODUCTS:

- Sheeting - bespoke designs available
- Handrails, crashrails and corner guards

FEATURES:

- Sheets and profiles available in matching colours
- Colour co-ordination (matching or contrasting)
- Heavy duty rubber and stainless steel options available

BENEFITS:

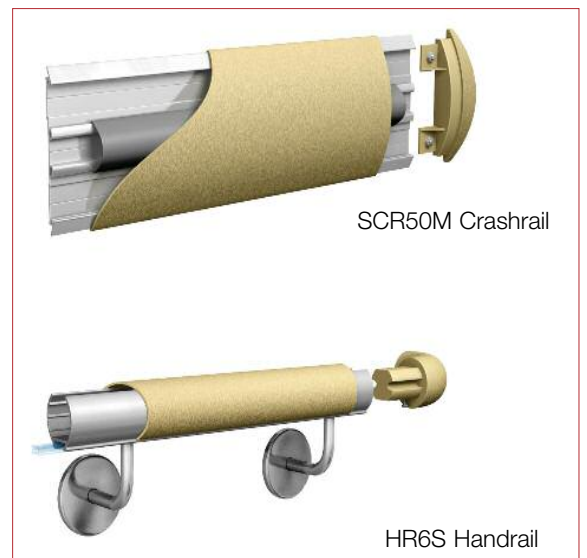
- Schemes to promote learning and interest
- Cost-effective
- Meets Approved Document M requirements
- Provides safe environment



TP200 Rub Rail



SM20 Corner Guard



SCR50M Crashrail

HR6S Handrail



Acrovyn Sheet on walls cut to project design requirements.

Protecting Walls with C/S Wallglaze®

Durable C/S Wallglaze coatings last on average five times as long as a conventional paint therefore minimising repainting costs. A new topcoat every 10 years is sufficient. Perfect for schools!

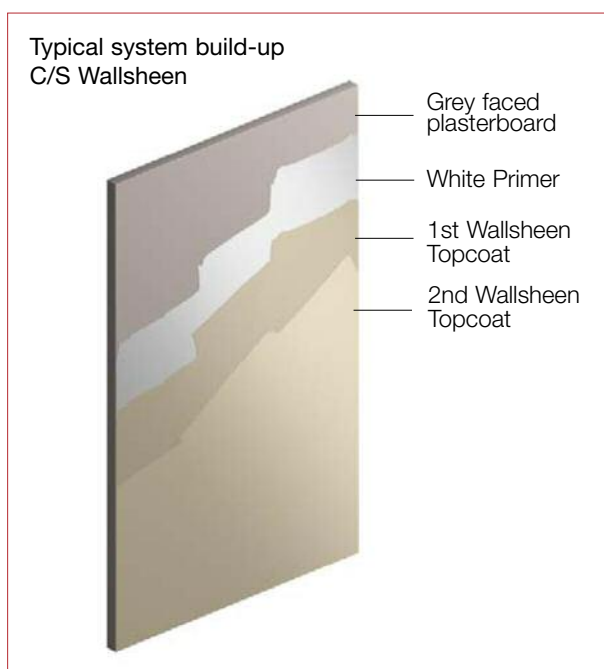
C/S Wallsheen	<ul style="list-style-type: none"> • General clean circulation areas, corridors • Non-swimming pool changing areas • Cloakrooms • General classrooms
C/S Wallflex	<ul style="list-style-type: none"> • Dirty/abused circulation areas • Scientific classrooms • Toilets • Swimming pool changing areas • Sports halls
C/S Armourglaze	<ul style="list-style-type: none"> • Anti-graffiti protection • Suitable for interior and exterior applications

FEATURES:

- Abrasion resistant
- Durable
- MRSA resistant
- Anti-graffiti options
- Easy to apply
- Colours inc. BS, RAL or NCS ranges

BENEFITS:

- Saves money on redecoration
- Minimises disruption
- Easy to clean

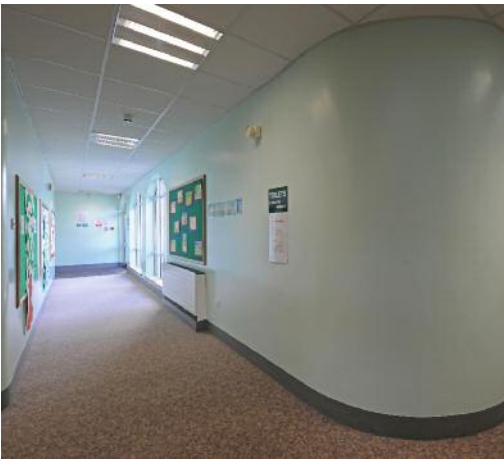


Protecting Walls with C/S Wallglaze®

C/S WALLSHEEN FOR CORRIDORS

A clean and easily maintained environment.

Wallsheen can be applied to paint grade blockwork and is durable and easy to maintain.



Lifecycle costs

	Approx Capital Spend 1000sq m	Maintenance 10 years	Maintenance 25 years	Total Costs
Emulsion Painted Blockwork	£2,700	£10,800 <i>(based on repaints every 2.5 years)</i>	£27,000	£29,700
Wallsheen	£8,480	£3,000 <i>(based on 1 no. top coat repaint requirement)</i>	£7,500	£15,980
Savings				£13,720 = 46%

C/S WALLFLEX FOR KITCHENS/DINING AREAS

A safe environment.

Wallflex - Refectory facilities in a clean and easily maintained environment.



Lifecycle costs

	Approx Capital Spend 1000sq m	Maintenance 10 years	Maintenance 25 years	Total Costs
Ceramic Tiled Walls	£35,000	£8,000	£20,000	£55,000
Wallflex	£13,550	£4,700 <i>(based on 1 no. top coat repaint requirement)</i>	£11,750	£25,300
Savings				£29,700 = 54%

Protecting Floors with C/S Pedisystems®

Shoe-borne dirt and grit ruin the look of a floor and cause permanent damage to its surface. A C/S Pedisystems entrance mat will make a difference that is noticed all over the school.

PEDISYSTEMS PRODUCTS:

- Pediluxe - 17mm deep aluminium rail system, incorporates textile inserts and offers great moisture absorption and an exceptional load bearing capability
- Pedimat - 11mm deep aluminium rail system, incorporates textile inserts and rolls up for easy matwell cleaning
- Pedimat Ultra - 11mm deep aluminium rail system, offers maximum moisture absorption surface area and fits easily alongside floor tiles and carpets to produce a flush floor finish
- Helix - 11mm deep vinyl interlocking tile with textile inserts, very easy to install
- Clean-off carpet - 9mm thick, extremely hardwearing and efficient at removing and trapping moisture and dirt

FEATURES:

- Zonal concept for whole-building protection
- Recess or surface mounted options
- Choice of tread types and colours
- Different finish options
- 'Branding' option

BENEFITS:

- Smart, modern appearance
- Effective in trapping dirt and moisture
- Reduces maintenance costs
- Easy to clean



Protecting Buildings with C/S Allway®

C/S Allway Expansion Joint Covers come in a wide range of models which help to solve difficult movement joint junction details.

ALLWAY PRODUCTS:

- Surface mounted models for ease of installation
- Recess mounted options for new construction

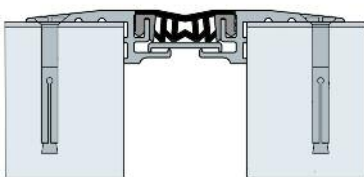
FEATURES:

- Range of models to suit expansion joints from 20-100mm wide
- Accommodating a wide range of movements
- Flush finish to prevent trip hazards
- Replaceable gaskets
- Floor, wall and ceiling joints available
- Can be supplied with or without fire barriers

BENEFITS:

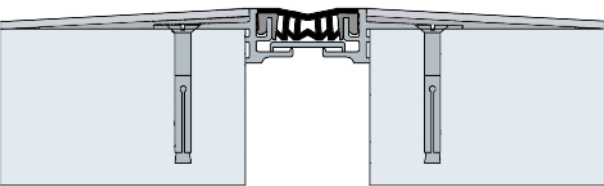
- Choice of products to accommodate any floor surface finish
- Eliminates trip hazards at movement joints

EXAMPLES OF SURFACE MOUNTED MODELS:



GFS Series

Easy to install surface mounted joint covers featuring replaceable gaskets. No blockout required. Available for 20, 25 and 50mm joint widths.

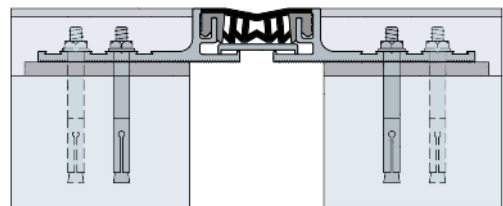


GFPS Series

An alternative to GFS covers, where the exposed aluminium frames are recessed to take a 5mm thick carpet or vinyl floor finish. No blockout required. Models to suit 20, 25 and 50mm joint widths.



EXAMPLE OF RECESS MOUNTED JOINTS:



GFT Series

The standard embedded joint covers for floor joints up to 50mm wide, available in four frame depths. Can be fitted flush to the floor screed or left proud to butt up to a carpet or vinyl floor finish. Replaceable gaskets.

The complete range of C/S products:



C/S Acrovyn®
Wall, Door and
Corner Protection



C/S Wallglaze®
Specialist Coatings
for Walls and Floors



C/S Pedisystems®
Entrance Matting
Systems



C/S Allway®
Expansion Joint
Covers



C/S Airfoil®
Solar Shading
Systems



C/S Supertrak®
Cubicle Curtain
Track



C/S Explovent®
Explosion Venting
Systems



Service & Contact Details:

The C/S service provides more than product choices. Our representatives and staff are trained in all aspects of selection, specification and application, providing guidance at every stage.

We provide:

- brochures and samples
- CPD presentations
- CAD drawings
- comprehensive estimate service
- quick delivery service
- installation
- after sales service
- NBS details

NBS Specification Clauses for C/S products are also available on NBS Plus.

For brochures and service details contact:

Construction Specialties (UK) Ltd

1010 Westcott Venture Park
Westcott

Buckinghamshire HP18 0XB
England

Tel: +44 (0)1296 652800

Fax: +44 (0)1296 652888

Email: info@c-sgroup.co.uk

www.c-sgroup.co.uk



FM21206

C/S worldwide operations

- UK (also servicing: Republic of Ireland, Scandinavia, Malta, Portugal, Iceland)
- France
- Germany
- Austria
- Italy
- Spain
- Poland
- USA
- Canada
- Australia
- Malaysia
- Singapore
- Hong Kong
- Uruguay
- UAE