



Uniclass
L3811
C/SfB (21.4) X


The complete answer to curtain wall systems

High performance curtain wall solutions for new and refurbished buildings



SENIOR **ALUMINIUM** SYSTEMS™





curtain wall systems that bring environments to **life**. Welcome to the family...

Senior Aluminium Systems, part of Senior Architectural Systems' family of glazing solutions, offers a comprehensive range of fenestration products for commercial and residential applications.

Senior Aluminium supplies innovative curtain wall systems to both commercial and residential construction markets. From our dedicated ISO 9000 quality accredited service centres in England, Wales and Scotland, Senior's prides itself on providing a responsive and personal customer service with local availability, and on forming long term, mutually profitable relationships with specifiers and fabricators.

All our products are designed with meticulous attention to detail and are available either in aluminium or a hybrid timber/aluminium composite. Our aluminium sections can be thermally broken and powder coated in virtually any colour in our in-house powder coating facility, one of the largest and most technically advanced in the country.

Independently-owned, the ongoing mission at Senior Architectural Systems is to offer high performance aluminium glazing systems to meet the needs of each project so that the fabricator is competitive and the client is totally confident.



Taking the environment seriously

After more than two decades in business we are well known for our down-to-earth cooperative approach. Fabricators, architects and contractors around the UK tell us that's why they choose to deal with Senior's rather than anyone else.

As well as being totally committed to customer service, we actively work with a green agenda, demonstrating our commitment to the environment for now and future generations.

We minimise the risk of any chemical releases during production, and our systems in aluminium, wood, glass and fibreglass are perfect for producing low maintenance, energy efficient windows and façades that have a long life.

Our metal of choice is aluminium. It recycles perfectly without losing any of its properties. And best of all for our planet, we make sure that our suppliers of wood always plant more trees than we use.





The Senior curtain wall difference

Senior's curtain wall systems have been developed and tested to suit most environments, including low, medium and high rise applications. Commercial and retail applications, transport terminals, health service buildings and educational establishments are just a few of the markets in which Senior Architectural Systems has a well earned reputation for service, quality, delivery and technical support.

The systems comprise five suites, all with 50mm sightlines and various mullion and transom depths, including components which can be constructed using stick build and ladder frame methods. The systems are zone drained and pressure equalised.

As with all Senior Architectural products, our curtain wall systems are manufactured to exacting standards, enabling economy to be combined with strength, achieving many years of aesthetic, low-maintenance performance.





SCW curtain wall system





SCW curtain wall has been designed to meet current building regulations. It is a semi-unitised, zone drained and pressure equalized system and offers a slim 50mm sightline, with a choice of three mullion and four transom depths.

The system is capable of being fabricated into ladders for quick assembly on site and of accepting glazing up to 34mm thick depending on weight. Project specific profiles can be incorporated giving flexibility of facade design.

SCW curtain wall is capable of spanning low to high, dependent on the manner of installation.

Construction

Constructed using mechanical methods at butt joints, assembly utilises stainless steel self-tapping screws into integral screw ports extruded into the body of the sections, directly through square cut adjoining component parts. Vertical sections are designed to run through which enables individual panels to be made separately and assembled on site for large or multi-panel frames.

Optional shear blocks are available for joint and sectional re-inforcing, expansion joints and larger spans, over 1200mm.

Finishes

SCW curtain wall sections are available typically in three finishes: polyester powder coating from our specialist state-of-the-art facilities, anodised in a range of colours in either satin or polished finish, or mill finish.

Environmental

When used on projects involved in a BREEAM assessment, or within the Code for the Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification), the SCW system can offer significant benefits.



Material information

All aluminium sections are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008.

Polyamide thermal barriers are manufactured in accordance with PA66 GF25. Gaskets are manufactured in accordance with BS3734.

Independent testing

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

Weather tested to BS6375.

Technical support

For detailed information on weather ratings, U-values and any other technical matter, please contact our technical department:

support@seniorarchitectural.co.uk
or call, +44 (0)1709 772 600

SCW+ curtain wall system





The SCW+ curtain wall system has been designed with enhanced thermal performance to meet current building regulations. It is semi-unitised, zone drained and pressure equalized and offers a slim 50mm sightline, with a choice of three mullion and four transom depths.

The system is capable of being fabricated into ladders for quick assembly on site and can accept a variety of glazing types. Project specific profiles can be incorporated giving flexibility of facade design.

SCW+ curtain wall is capable of spanning low to high, dependent on the manner of installation.

Construction

SCW+ framing is constructed using mechanical methods at butt joints, assembly utilises stainless steel self-tapping screws into integral screw ports extruded into the body of the sections, directly through square cut adjoining component parts. A proprietary sealant is used on all metal to metal joints and gasket-to-gasket joints during assembly, in line with good practice. Vertical sections are designed to run through, which enables individual panels to be made separately and assembled on site for large or multi-panel frames.

Optional shear blocks are available for joint and sectional re-inforcing, expansion joints and larger spans, over 1200mm

Finishes

SCW+ curtain wall sections are available typically in three finishes: polyester powder coating from our specialist state-of-the-art facilities, anodised in a range of colours in either satin or polished finish, or mill finish.

Environmental

When used on projects involved in a BREEAM assessment, or within the Code for the Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification), the SCW system can offer significant benefits.



Material information

All aluminium sections are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008.

Polyamide thermal barriers are manufactured in accordance with PA66 GF25. Gaskets are manufactured in accordance with BS3734.

Independent testing

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

Weather tested to CWCT Sequence B and EN13830:2003

Technical support

For detailed information on weather ratings, U-values and any other technical matter, please contact our technical department:

support@seniorarchitectural.co.uk
or call, +44 (0)1709 772 600

SMR900 curtain wall system





The SMR900 curtain wall system has been designed with enhanced thermal and structural performance to meet current building regulations. It is a stick system, zone drained and pressure equalized and offers a 50mm sightline, with a standard choice of six mullion and six transom depths. The system is capable of being fabricated for quick assembly on site and to accept glazing up to 28mm thick, depending on weight. Project specific profiles can be incorporated offering flexibility of facade design.

SMR900 curtain wall is designed to span medium and high rise applications, dependent on the manner of installation.

Construction

SMR900 framing is constructed using mechanical methods at butt joints. A proprietary sealant is used on all metal-to-metal joints and gasket-to-gasket joints during assembly, in line with good practice.

Finishes

SMR900 curtain wall sections are available typically in three finishes: polyester powder coating from our specialist state-of-the-art facilities, anodised in a range of colours in either satin or polished finish, or mill finish.

Environmental

When used on projects involved in a BREEAM assessment, or within the Code for the Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification), the SCW system can offer significant benefits.



Material information

All aluminium sections are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008.

Polyamide thermal barriers are manufactured in accordance with PA66 GF25. Gaskets are manufactured in accordance with BS3734.

Independent testing

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

Weather tested to CWCT Sequence B and EN13830:2003

Technical support

For detailed information on weather ratings, U-values and any other technical matter, please contact our technical department:

support@seniorarchitectural.co.uk
or call, +44 (0)1709 772 600

SMR800 curtain wall system





The SMR800 curtain wall system has been designed with enhanced thermal performance and to meet current building regulations. It is a stick system, zone drained and pressure equalized and offers a 50mm sightline, with a standard choice of six mullion and six transom depths. The system is designed for quick assembly on site and to accept glazing up to 28mm thick, depending on weight. Project specific profiles can be incorporated offering flexibility of facade design.

SMR800 curtain wall is designed to span medium and high rise applications, dependent on the manner of installation.

Construction

SMR800 framing is constructed using mechanical methods at butt joints. A proprietary sealant is used on all metal to metal joints and gasket to gasket joints during assembly, in line with good practice.

Vertical sections are designed to run through which enables individual panels to be made separately and assembled on site for large or multi-panel frames.

Finishes

SMR800 curtain wall sections are available typically in three finishes: polyester powder coating from our specialist state-of-the-art facilities, anodised in a range of colours in either satin or polished finish, or mill finish.

Environmental

When used on projects involved in a BREEAM assessment, or within the Code for the Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification), the SCW system can offer significant benefits.



Material information

All aluminium sections are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008.

Polyamide thermal barriers are manufactured in accordance with PA66 GF25. Gaskets are manufactured in accordance with BS3734.

Independent testing

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

Weather tested to CWCT Sequence B and EN13830:2003

Technical support

For detailed information on weather ratings, U-values and any other technical matter, please contact our technical department:

support@seniorarchitectural.co.uk
or call, +44 (0)1709 772600

Hybrid Series 3 composite curtain wall system





The Hybrid Series 3 curtain wall system boasts impressive thermal performance and has been designed to meet current and future building regulations.

Hybrid is a high insulation timber/aluminium composite system manufactured in the UK and comprises a selection of window, curtain wall and door options.

It combines the long life and low maintenance of aluminium externally with the high insulation, environmentally focused benefits of responsibly sourced engineered timber internally. Hybrid curtain wall framing is a traditional stick system, compartmentally drained, and is capable of accepting glazing up to 28mm thick, depending on weight.

Hybrid Series 3 curtain wall is designed to span low to high rise applications, dependent on the manner of installation. Project specific profiles can be incorporated offering flexibility of facade design.

Construction

Hybrid series 3 framing is constructed using mechanical methods at butt joints. A proprietary sealant is used on all metal to metal joints and gasket to gasket joints during assembly, in line with good practice.

Vertical sections are designed to run through which enables individual panels to be made separately and assembled on site for large or multi-panel frames.

Finishes

Hybrid Series 3 curtain wall sections are available typically in four finishes: polyester powder coating via our specialist state-of-the-art facilities, anodised in a range of colours in either satin or polished finish, mill finish and, finally, clear lacquered or painted timber.

Environmental

When used on projects involved in a BREEAM assessment, or within the Code for the Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification), the SCW system can offer significant benefits.



Material information

All aluminium sections are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008.

Polyamide thermal barriers are manufactured in accordance with PA66 GF25. Gaskets are manufactured in accordance with BS3734.

Timber profiles are certified by MPA Stuttgart with quality class BS11, laminated according to DIN1502 using weather proof and heat proof melamine glue.

Independent testing

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

Weather tested to CWCT Sequence B and EN13830:2003

Technical support

For detailed information on weather ratings, U-values and any other technical matter, please contact our technical department:

support@seniorarchitectural.co.uk
or call, +44 (0)1709 772600





Case study | Education

Soar Valley School, Leicester

*SCW curtain wall
SPW300 windows
SD commercial door system*

Leicester's latest newly built school has been creatively designed and fitted with a suite of aluminium doors, windows and curtain wall from Senior Architectural Systems' high performance ranges, which collectively account for around 60% of the building's facade.

The building is simple and functional, yet the impressive result is a reflection of the school's aim to inspire and reflect the rich and diverse community it serves.



Take a video tour of our projects. Search 'Senior Architectural' on YouTube or visit our website

Case study | Research

Vestas, Isle of Wight

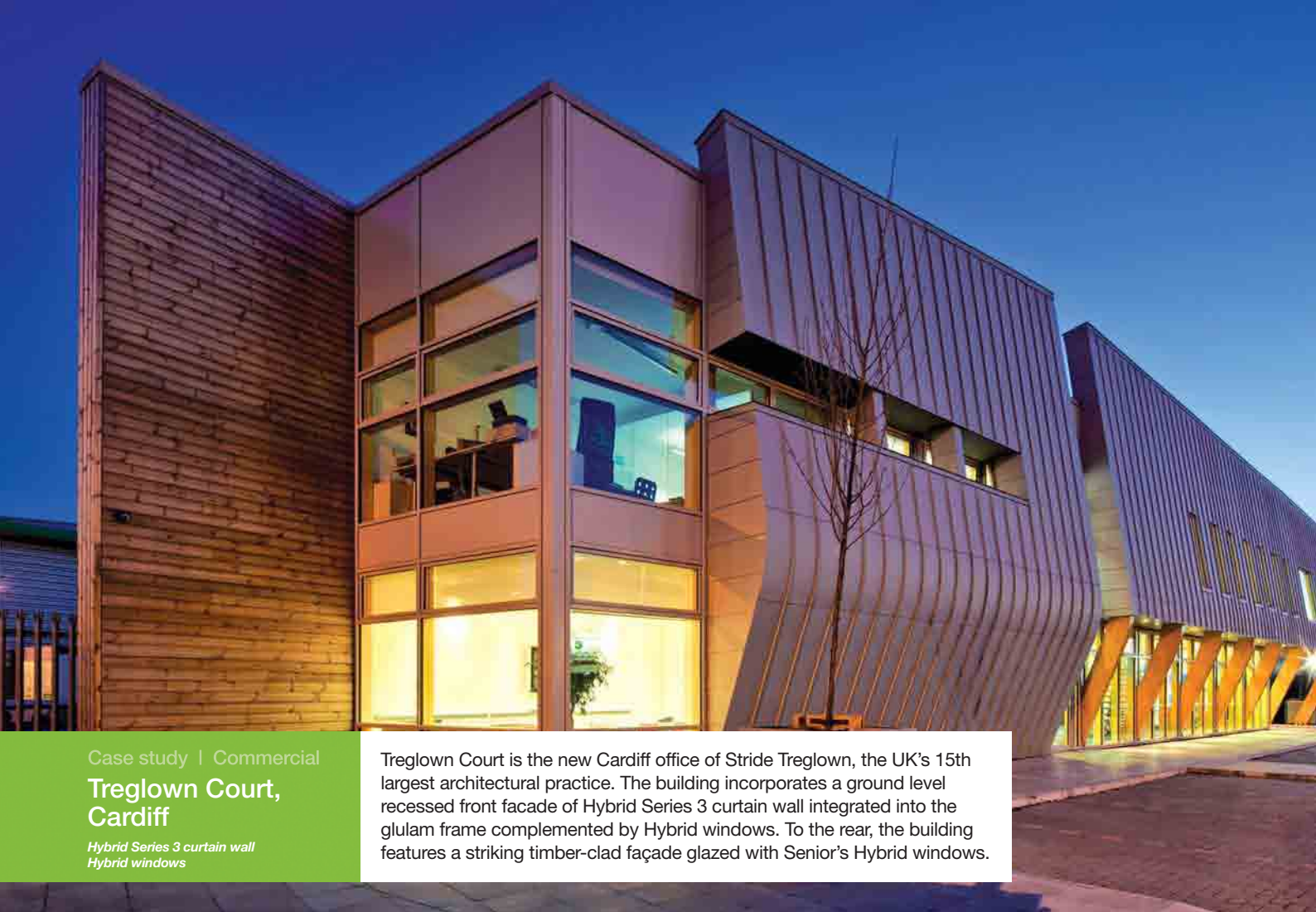
Hybrid curtain wall
Hybrid windows

A 28,000m² facility on the Isle of Wight for Vestas Blades UK Ltd features a striking, energy-efficient three-storey cedar clad office block incorporating Senior's high insulation, Hybrid curtain wall and composite windows. Hybrid features engineered timber internally and coated aluminium facings externally. The design is both aesthetically attractive and offers a high level of protection against the island's environment.





Take a video tour of our projects. Search 'Senior Architectural' on YouTube or visit our website

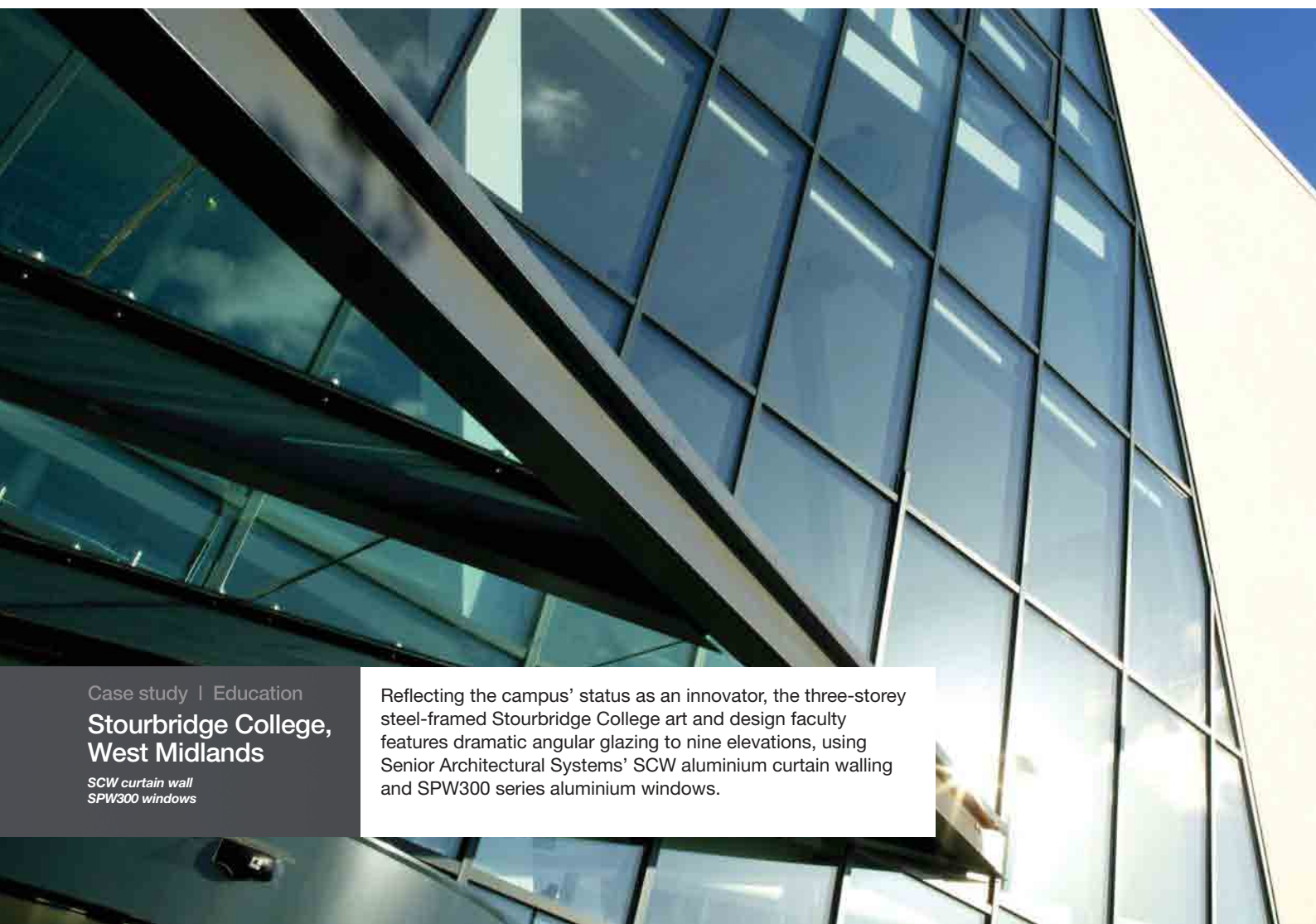


Case study | Commercial

Treglown Court, Cardiff

*Hybrid Series 3 curtain wall
Hybrid windows*

Treglown Court is the new Cardiff office of Stride Treglown, the UK's 15th largest architectural practice. The building incorporates a ground level recessed front facade of Hybrid Series 3 curtain wall integrated into the glulam frame complemented by Hybrid windows. To the rear, the building features a striking timber-clad façade glazed with Senior's Hybrid windows.



Case study | Education

Stourbridge College, West Midlands

*SCW curtain wall
SPW300 windows*

Reflecting the campus' status as an innovator, the three-storey steel-framed Stourbridge College art and design faculty features dramatic angular glazing to nine elevations, using Senior Architectural Systems' SCW aluminium curtain walling and SPW300 series aluminium windows.

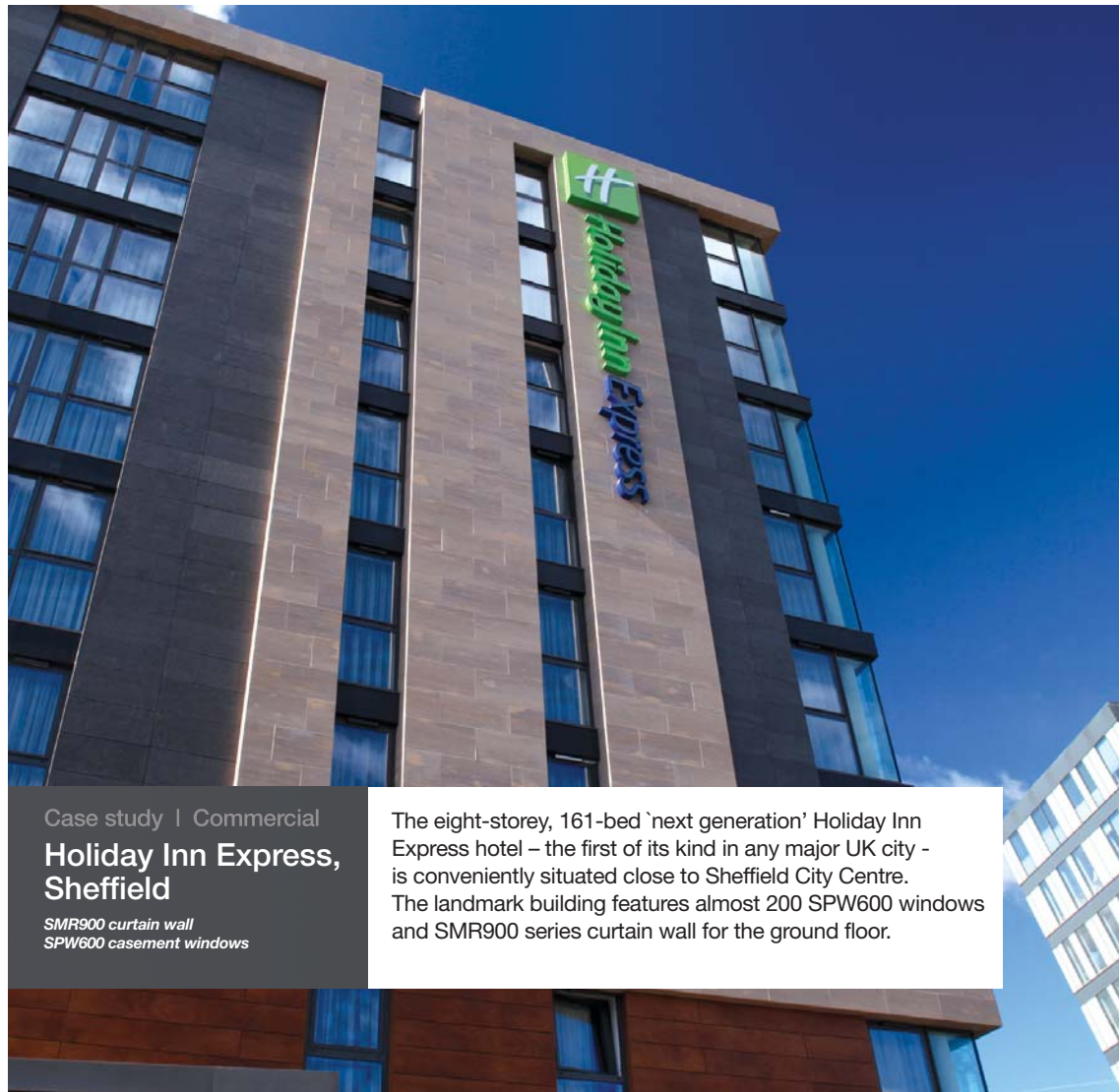


Case study | Health

Goscote Palliative Care Centre, Walsall

Hybrid curtain wall
Hybrid windows
SPW600 doors

NHS Walsall's recently completed £5.4m, 12-bed Palliative Care Centre has been constructed around an envelope of Senior's Hybrid curtain wall and window system, and fully compatible SPW600 thermally broken entrance doors. The engineered timber of Hybrid is a perfect match for the timber-clad bullnose pillar, which is a major design feature at the entrance to the building.



Case study | Commercial

Holiday Inn Express, Sheffield

SMR900 curtain wall
SPW600 casement windows

The eight-storey, 161-bed 'next generation' Holiday Inn Express hotel – the first of its kind in any major UK city – is conveniently situated close to Sheffield City Centre. The landmark building features almost 200 SPW600 windows and SMR900 series curtain wall for the ground floor.

HEAD OFFICE

Senior Architectural Systems Ltd, Eland Road, Denaby Main, Doncaster, South Yorkshire, DN12 4HA.
Tel: 01709 772 600. Fax: 01709 772 601. E-mail: info@seniorarchitectural.co.uk

BRANCHES

Scotland; Unit 4 Dunlop Court, Deans Industrial Estate SW, Livingston, West Lothian, EH54 8SL.
Tel: 01506 407 640. Fax: 01506 407 641.

South; Unit 4 Leeway Industrial Estate, Newport, South Wales, NP19 4SL.
Tel: 01633 277 880. Fax: 01633 277 121.

Senior Glass Systems Ltd, Lakeside House, Hopper Hill Road, Eastfield, Scarborough, YO11 3YS.
Tel: 01723 580 010. Fax: 01723 580 018. E-mail: ordering@seniorglass.co.uk

www.seniorarchitectural.co.uk



Senior Architectural Systems Ltd,
Doncaster: 1996/026



Senior Architectural Systems Ltd,
Doncaster: 1996/026



Senior Architectural Systems Ltd,
Doncaster: 1996/026



Council for Aluminium
in Building



Enhanced Security Window BS 7950
Certificate Number 068

Aluminium Windows BS 4873
Certificate Number 072

Enhanced Security Doorsets PAS 23 & 24
Certificate Number 088



Introducing our **family** of leading fenestration solutions

Senior Architectural is a major UK supplier of fenestration solutions, specialising in providing aluminium, timber, glass and fibreglass glazing systems to the highest standards. This brochure is intended to show what makes Senior's unique and how our products and services can make a difference to customers, clients, their projects and the environment.

ALUMINIUM

HYBRID

FIBRE

GLASS



SENIOR ARCHITECTURAL SYSTEMS

Whilst every effort has been made to ensure the accuracy of this publication, no responsibility for content is taken by Senior Architectural Systems Ltd. We strongly recommend the specification for any given application is checked with Senior Architectural Systems before an order is placed.

Senior Architectural Systems reserves the right to alter any of the specifications given in this publication without prior notice due to a process of continual development.