Recladding

For a brighter future

Façade Systems for mid-to-high rise buildings

benx
the future of façades

Creating a safer, more sustainable future

For more than 20 years, Benx Facades has been one of the UK's leading innovators of cladding systems. Our facade solutions have been used to refurbish numerous mid-to-high rise buildings of all construction types. We believe that recladding is more than just a makeover. A Benx retrofit façade allows you to create a safer, more sustainable space, with a longer life and lower operating and maintenance costs.

Safety first

Our utmost priority is safety, and we consistently prioritise it. Our systematic approach to testing and certification ensures that safety remains at the forefront. With one of the most comprehensive collections of independently-tested and certified façade systems in our industry, we ensure the upholding of safety standards.

Experience is everything

As one of the UK's longest-standing facade providers, we have supplied systems for a vast array of projects, each with its own nuances. When you work with Benx , you can be sure that the guidance and support you receive from our product and technical specialists aims to be second to none.

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Sustainability in mind

We care deeply about energy efficiency and are proud of our commitment to it. Throughout the years, our systems have made a considerable impact on carbon reduction, and we stand out as one of the rare companies in our sector holding certifications under both ISO14001 and ISO50001. As we strive to become truly sustainable, we fully embrace the UK's net zero commitment. In line with this, we have recently commissioned a 400kW solar panel system at our fabrication unit, further demonstrating our dedication to reducing our carbon footprint.

The widest choice

We offer an unparalleled suite of cladding systems for all construction types, and our range of finishes is almost limitless.

The right partner for you

Selecting a system supplier can be a daunting challenge. There are many similarities – and indeed differences – between the established companies offering recladding solutions. We believe that our partnering approach, our portfolio strength, combined with our unrivalled expertise and practical "know how" , make us the natural partner for your recladding project.

Contents

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Why reclad?

Recladding offers a wide range of potential benefits, including safety, health and comfort, energy efficiency, urban regeneration and extension of building life.

Safety

The Grenfell Tower tragedy highlighted the paramount importance of safety - in particular fire safety - in the design and installation of building façade systems. Primary fire risks for cladding usually stem from either non-tested combustible materials or inadequate fire breaks. Other risks can arise from incompatible components, including insulation, sheathing boards, fixings or support frames and poor installation. Since the Grenfell Tower fire in 2017, many mid-to-high rise buildings have been found to have unsafe cladding system. In many instances the only viable remedy involves stripping off the existing cladding and replacing it with improved cladding systems compliant with more suitable safety standards

Safety has consistently been our top priority. With our expertise in fire-protected cladding solutions and continuous investment in testing and certification. We offer one of the most comprehensive ranges of A1 (non-combustible) and A2 (limited combustibility) fire-rated systems, for all types of building.

Health and comfort

Retrofitting using external wall insulation (EWI) or rainscreen façade systems can also have a positive impact on the health and comfort of residents, by helping to create a healthier indoor climate. A recent study published in The Lancet Planetary Health suggested that retrofitting homes with insulation drives the greatest contribution to health benefits compared to other net zero policies. A ventilated façade reduces the impact of direct solar rays on the building and air flow in a cavity combined with a high performance insulation layer means that walls stay cooler in the summer.

Energy efficiency

Reducing energy consumption has long been a primary consideration in the decision to refurbish a building's façade. The focus on creating warmer, more sustainable living spaces – at an affordable cost – has been a priority for building owners and residents alike for many years. The annual UN Climate Change Conferences (COP meetings) have steadily upped the ante on governmental climate change commitments. The UK has a legally-binding net zero target by 2050 and interim targets to reduce emissions by 78% by 2035. Furthermore the importance of the drive for energy efficiency was brought into sharp focus by Russia's 2022 invasion of Ukraine, which highlighted the vulnerability of existing energy supply for most of Europe. Recladding a building with one of our thermally efficient systems can dramatically improve its carbon footprint while reducing energy bills.

We offer retrofit cladding solutions for every type of building, from mid-rise brick and block substrate housing to steel and timber framed buildings, – all designed to deliver 'best-in-class' thermal efficiency.

Urban Regeneration

Recladding can also make a significant contribution to the urban landscape. A carefully specified and well-designed new façade can fundamentally change a building's relationship to its surroundings and can thereby have a profound impact on the locale. There is plenty of evidence, as well as anecdotal feedback, to support the link between façade refurbishment and positive community outcomes, including reduced crime rates, healthier living and a greater sense of wellbeing.

Life extension

Another important, but often overlooked, role of the façade system is to protect the underlying building fabric from the elements. A quality façade, properly maintained, can last for decades. However, if neglected, older systems can deteriorate due to mechanical damage or weather exposure, and, if not attended to, cracks can appear, resulting in water ingress. Repairs are sometimes possible, but even the best maintained systems have a finite life. A replacement modern cladding system will not only extend the useful economic life of a building by many years, but it can also increase rental yields and substantially reduce ongoing maintenance costs.

Perhaps more importantly, recladding offers sustainable alternatitives to demolition and new construction. Recladding an existing building allows you to cretae a stunning, contemporary facade for a fraction of the environmenat impact of replacement with a new building.

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Trust built on innovation and quality

Our success has been built on decades of rigorous testing, technical know-how and innovation. But we are never satisfied. We will always strive for safer, more cost-effective, sustainable façade solutions. This continuous evolution allows us to ensure we can offer the best systems on the market.

Certifications and more...

Our products and systems are backed by one of the strongest portfolios of certifications and accreditations in the façades industry. In addition to BBA and KIWA BDA Agréments, a number of our systems have also been through rigorous CWCT testing ensuring, ensuring their quality and reliability. With these validations, you can be sure that our façade systems have been independently verified and they are fit for purpose.

Inspired thinking...

When we develop a new system, we start by understanding the needs and objectives of all stakeholders - most importantly our customers. We then create concepts and prototypes, drawing on expertise from right across our business. We work incredibly hard in the pursuit of the best possible solutions. We also work with our supply partners to make sure we have the benefit of their latest component innovations. Through our collaborative approach, we help you to create outstanding buildings with stunning façades.

Sum of the parts...

A system is only as good as its constituent parts. We endeavor to source the best components from our extensive global supply chain, only selecting proven materials from resilient suppliers. Independent factory audits ensure that appropriate quality standards are met consistently. Because we focus on each component as well as the overall result, you can be confident that our systems are safe and durable.

Testing, testing...

Rigorous testing lies at the heart of our product life-cycle. By independently testing our products and systems, we strive to ensure that they meet the highest standards of safety and durability. We pay particular attention to fire safety and many of our products and systems are A1-rated (non-combustible) or A2 (limited combustibility).

Working with leading independent test houses, we also test for strength and stability, thermal insulation, resistance to moisture and durability.

Specification Simplified

Our 'whole system' philosophy helps to remove uncertainty and complexity from your specification process

A pioneering approach

As a longstanding leader in external wall insulation systems we have been testing and certifying complete systems for decades. We are among the first to have adopted the same holistic approach for rainscreen cladding systems.

Safety first

We are acutely aware of the crucial place of safety in the specification decision. That's why our façade systems are rigorously tested and certified where possible as 'through-wall' solutions. This approach confirms that the individually tested components offer the required safety performance in a system configuration. Due to a lack of industry consensus on appropriate testing standards, it is not always possible to include certain system components in through-wall system certifications.

However, we maintain active discussions with the relevant parties to define a holistic approach to include all system components.

We make it easier

We fully appreciate the challenges of creating specifications in today's world. You need to know that the elements of a complex system work together to create a safe and effective solution. When you specify one of our certified façade systems you will see that we have endeavored to bring, as much as any company in the market, a holistic approach to facade system supply.

It's your choice

Our range of certified façade systems has been developed to meet the needs of different construction types. The wide array of colour and finish options offers complete design flexibility, whatever the building type and whatever the setting.

With you every step of the way

We look to collaborate with you on multiple levels at all stages of your recladding project. Our team members in all areas of our business – from technical to finance – will work together to support you in making your project a success.

Support from the start

Engaging at the planning stage, we collaborate closely with your project team and other stakeholders toprovide you with the optimal solution for your recladding project. Our technical specialists will endeavor to provide you with the information and guidance you need to create outstanding façade systems.

Regular involvement

We know from experience that ongoing communication throughout the recladding process helps to anticipate and mitigate potential risks. Our team members will coordinate with yours to facilitate effective communication among the relevant individuals at the appropriate moments.

Offsite fabrication

Through our fabrication service, we can provide products and systems to your exact requirements, minimising site waste, reducing site labour requirements and preventing potential site accidents. Our facade fabrications team can cut, groove, drill and coat certain products to your particular specification.

Installer training

In order to ensure the installation team is proficient in the application of our façade systems, we provide a comprehensive range of training options. These offerings encompass toolbox talks, which provide concise and focused training sessions, as well as dedicated courses held at our training centres. Through these training programs, we equip the installation team with the necessary knowledge and skills to confidently and competently work with our façade systems.

Scheduled visits

We offer a scheduled programme of site visits to inspect the installation, providing independent observation reports and expert insight into the façade application.

Solving problems

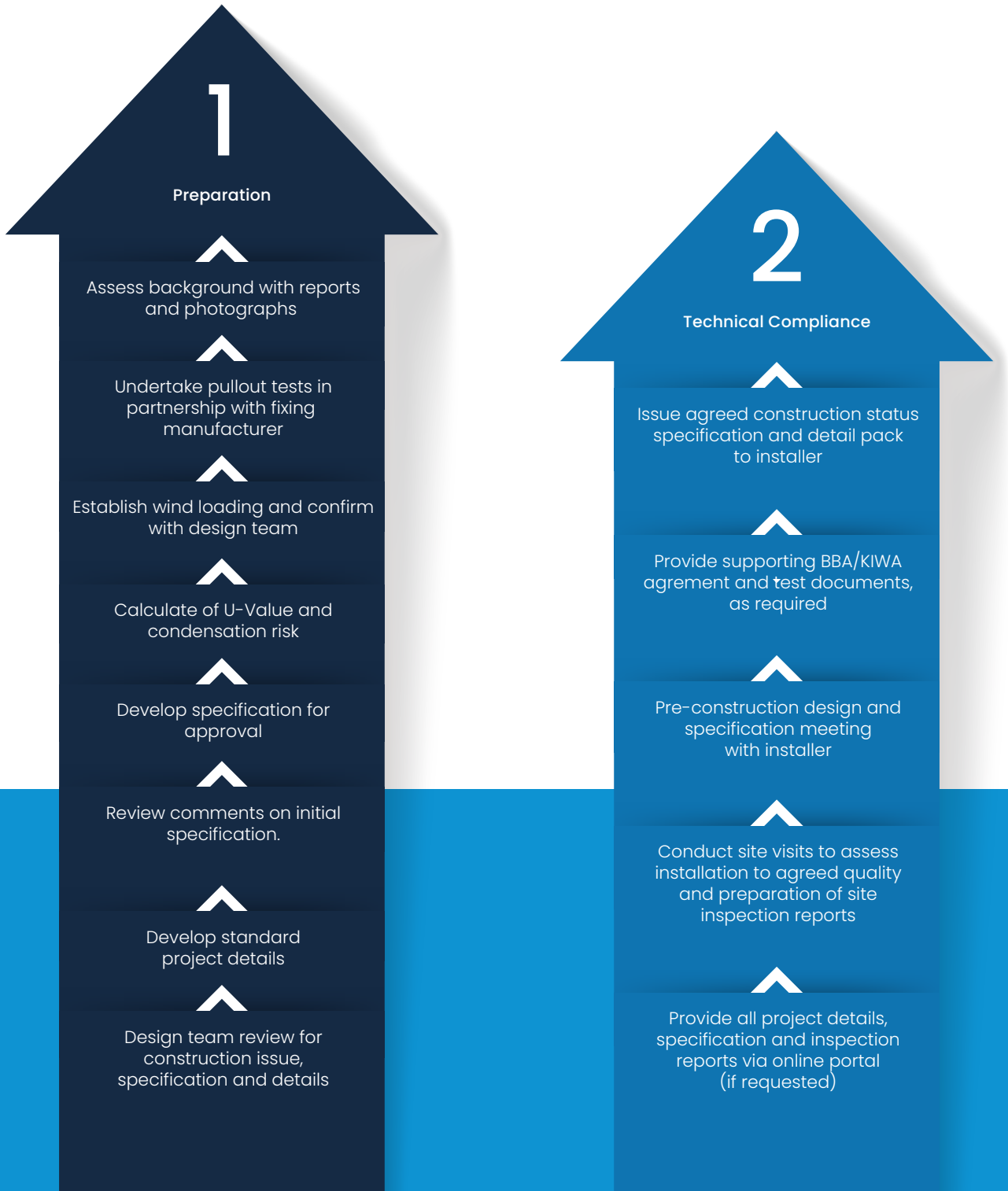
Our technical installation support specialists possess a wealth of ‘know-how’ and are available to assist with any ad-hoc issues that may arise during the course of a recladding project, and can respond quickly to ensure the minimum loss of valuable time.


benx

A robust approach tailored for you

Each recladding project is unique, having its own specific requirements. What never changes, however, is our dedication to providing the highest quality façade solutions.

Below is an example of process flows and the actitivies that the Benx team can undertake to ensure the success of your recladding project. The specific activities vary by project.



Our bespoke process is designed to meet your needs...

3

Training and Support

Provide system training with course notes for installers

Issue system competency cards, where applicable

Conduct application and system theory training for main contractor team to provide an understanding of the application and quality aspects of the system

Provide site-based toolbox talks, as required

4

Post-Installation

Provide Operations and Maintenance manual, including details of how to inspect, maintain and repair the new system

Issue Benx system warranty (as applicable)

Produce and supply tenant/resident's guide, if requested.

Safety first:
Testing and certification

The Grenfell Tower fire tragedy highlighted the importance of a 'safety first' approach to façade design and installation.

Safety has always been at the core of our approach to system design, component selection, technical support and site services. Though arguably the most important, behaviour in relation to fire is just one of many risks we aim to mitigate by providing rigorously-tested and independently certified façade systems. When we evaluate the safety and performance of our systems, we also assess thermal efficiency, wind loading, weather resistance, durability and impact performance.

In developing a new system, our design team works hand-in-hand with our supply chain partners to select the best components to ensure the highest standards of safety and performance. We ensure that each element of our façade systems has been independently tested before creating a system prototype. Only when we are happy, do we submit our system to leading UK and international test houses to undergo rigorous independent testing. Our 'holistic' approach to the testing of complete systems, provides the confidence that the components perform not only individually, but most importantly, in their intended system configuration.

Once the system achieves the required safety and performance standards, it is submitted to one of the two UK Agrément certification bodies for independent assessment. The whole testing and certification process, which can take several years, culminates in the issuance of a KIWA BDA or BBA Agrément certificate, indicating that the system has been independently assessed as 'fit for purpose' when used in accordance with the national Building Regulations.

Fire

Our focus is not just on headline fire classifications, but whereever possible we also look at the relationship between the various tests, products and systems and how they interact. The UK fire testing regulations for external cladding are governed by the Building Regulations 2010, specifically Approved Document B. This document provides guidance on the minimum standards for fire safety in buildings, including the use of external cladding.

In addition, the government introduced the Building (Amendment) Regulations 2019 Ed, incorporating 2020 and 2022 amendments, which ban the use of combustible materials in the external walls of high-rise buildings (over 18 meters) in England, except for certain specified exceptions.

Overall, the regulations aim to improve fire safety and prevent a repeat of the tragic Grenfell Tower fire in 2017, where external cladding contributed to the rapid spread of the blaze.

Fire is at the forefront of all stakeholders minds, and rightly so, but there are many other elements of façade compliance and performance that also are key to safety, durability and building performance.

For recladding, the primary fire test standards are:

- BS 8414 - combined with the BRE 135 classification report.
- BS EN 13501-1 - incorporating BS EN 1716 and EN ISO 1182 and BS EN 13823
- BS EN 1366-4 and principals of ASFP – TGD 19
- BS EN 1364 or BS EN 1365- can become relevant if the sheathing board has to be replaced.

Although each standard looks at a particular issue, there can be implications for their interactions. We always work diligently to help clients identify the issues at hand and assist in finding solutions.

Our holistic approach to safety

Besides fire, we test for a range of safety and performance variables, including, wind, impact resistance, pull-out, structural loading, thermal performance, condensation, water penetration, and durability under different climatic conditions.

The performance requirements and primary testing program for insulated renders is set out in EAD 040083-00-0404, comprising multiple tests and is compliant with ETAG 004 . The guideline for technical approval of rainscreen cladding systems is EAD 040062-00-0404, which also comprises multiple tests and complies with ETAG 034 : parts 1 and 2. Many rainscreen cladding manufacturers complete part 1, which looks at the performance of the cladding panel and the support frame. However, more often than not, they do not include the support frame assessment as part of the Agrément or third party certificate.

Our approach is to offer fully tested and certified "through-wall" systems including all key components, wherever possible. This provides assurance that the various elements of our facade systems have been tested in a system configuration.

We are proud to have one of the largest Agrément-certificated portfolios in our industry. Our reputation is built on the safety and performance of our systems, and we are committed to maintaining our strong track record.

Our core values are closely aligned to protecting our planet and enriching lives.

We believe that operating with a strong ESG focus not only benefits the environment and society, but also enhances our success as a business.
We consider ESG factors in our decision-making processes and continuously improve our practices to help create a more sustainable future for all.

Sustainability:
Our holistic approach

Our commitment to environmental sustainability is underpinned by our ISO14001 (Environmental Management System) and ISO50001 (Energy Management System) certifications. Our practices have been independently verified as complying with best practice for organisations of our type and size. We are committed to operating at all times in accordance with all relevant environmental legislation and regulations and are constantly seeking ways to improve our performance. We prioritise a wide range of actions that help reduce climate impacts.

Energy Efficiency

Our EWI systems have saved many thousands of tonnes of carbon annually, over the several decades. We are also constantly seeking ways to enhance the energy efficiency of our own operations through the implementation of energy-saving measures including the installation of a 400kW solar panel system at our Parkhouse fabrication unit.

Embodied carbon

We work closely with our extensive supply chain to find ways to reduce the embodied carbon of our products and systems.

Waste and Recycling

Our in-house fabrication processes allow us to reduce waste considerably. Wherever possible, we try to re-use or recycle waste materials.

Renewables

We source only renewable energy and, wherever possible, we utilise our sites for renewable energy generation.

Continuous Review

We constantly monitor our environmental performance to establish benchmarks for continuous improvement and we regularly review our environmental policy to take into account stakeholder views, updates to legislation, and any changes in our environmental impacts.

Our social and community responsibilities reflect our values as a business. We are committed to supporting fair working practices as well as charities and the communities in which we operate, by donating our time, resources, and funds to organizations that share our values and work towards a better world. Through these efforts, we hope to create a lasting legacy and contribute to a more sustainable and equitable future for all.

Stunning façades

Uncompromised Design and Specification Flexibility

With a façade system for virtually every scenario, and a vast array of colours and finishes to choose from, we can help you create visually stunning buildings.

Direct Fix EWI System ▸

EWI system, primarily for framed structures (SFS and Timber Framed) but can also be applied to masonry or concrete supporting walls. Designed for use in low/mid high-rise residential recladding projects, schools, student accommodation and multiple other building types.

◂ EWI Cavity Systems

Highly-durable and weather-resistant insulated cladding systems, typically used on lightweight steel or timber framed structures to create a void between the cladding and the sheathed framed structure. Available in a render or brick slip (both clay and acrylic) façade finish.

RendaClad® System ▸

A seamless rendered and/or brick slip rainscreen system on to LSF or timber framed structures. Increasing the speed of construction, it reduces the building footprint, and delivers many of the benefits of modern methods of construction.

Swisspearl™ System

Swisspearl coloured fibre cement panels give façades individuality, character, texture, colour and, very importantly, a highly effective protective layer.

Allowing an immense range of possibilities, with an extensive selection of surface options, various types of joints and fastenings, and panel formats.

Supertech™ Weatherboard System

Fully-ventilated rainscreen cladding system which has an appearance of traditional timber cladding but the durability and strength of cellulose fibre cement.

Luxe Coat Aluminium Façade System

Through-wall system with coloured solid aluminium panels. Its light weight and high strength-to-weight ratio make it a valuable asset, while its fire reaction and insulating properties help provide safety and energy efficiency.

SLIPFAST® Mechanically-Fixed Brick Slip System

A fast track, mechanically-fixed clay brick slip system, designed for offsite, modular and site-based construction. Highly versatile, lightweight yet strong, real brick cladding system offering many cost and time-saving benefits. The brick carrier system is supplied direct with pre-installed rails, ready to receive pre-formed clay brick-slips, which are then pointed on site.

Direct Fix
EWI Systems

Certified external wall insulation systems for use up to and over 18 metres.

A1 A2

kiwa BBA

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System Benefits

Safety

- Fire rated options include A1 (non-combustible) and A2-s1,d0 (limited combustibility) configurations (to BS EN 13501 classification)
- EPS system tested to BS 8414
- All variants Agrément-certified

Cost and Speed of Installation

- Competitively-priced cladding solution
- Fast application

Versatility

- Wide range of colours and finishes, including brick slips
- Systems designed to suit a range of substrates

Performance

- Easily achieves required thermal performance
- Supports a high level of acoustic performance in through wall construction
- Options for compliance with building guarantee companies

Durability

- Highly minimum expected and weather resistant with a durability design life of up to 60 years (with appropriate maintenance).

Our direct fix systems are attached directly to the sheathing board and can be used on a range of construction types. This can significantly improve fire performance as the installation process is simplified and there is no requirement for cavity barriers or fire breaks behind the Insulation layer.

Light Gauge Steel Frame

Our SFS Direct Fix is a fully tested, KIWA agrément-certified EWI system for use on steel framed structures (SFS).

Designed for use on low/mid and high-rise recladding projects, schools and student accommodation to name but a few, the system achieves an A1 fire classification to BS EN 13501-1 when using our Enviromin (mineral render) and an A2-s1,d0 fire rating when using Envirosil (silicone render) and Speedy Slip flexible brick slip finish.

With a durability design life up to 60 years, the system offers unparalleled performance (with appropriate maintenance).

Masonry Substrate

This variant can be fixed directly to a masonry substrate of either a single skin or cavity construction and can incorporate mineral wool insulation, expanded polystyrene or phenolic insulation, depending on your requirements.

The thin coat render external wall insulation system provides exceptional weathering and crack resistant properties, combined with an extensive range of render-colours and brick-effect render, ideally suited for the modern designer. Depending on insulation type, the system is suitable for buildings upto or above 18m.

BBA and KIWA certified options are available for all insulation types and multiple finishes and the system is available in both 30 and 60-year minimum life expectancy (with appropriate maintenance).

Timber Frame

This system comprises a direct fix application of a mineral wool based EWI system onto a timber framed building. The system is BBA Certified with an A2 fire classification to BS EN 13501-1 and can be used on buildings up to 18m.

EWI Cavity Systems

Certified external wall insulation systems for use up to and over 18 metres.

A1 A2

CENTRE FOR WINDOW AND CLADDING TECHNOLOGY

kiwa

BBA

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System Benefits

Safety and Performance

- Kiwa BDA or BBA agrément system certification
- Accepted by all major building warranty providers
- Minimum EuroClass reaction to fire classification of A2 – s1, d0 (Based on Mineral wool insulation)
- EuroClass A1 support system

Cost and Speed of Installation

- Competitively-priced cladding solution
- Fast application

Versatility

- Wide range of colours and finishes, including brick slips

Thermal Efficiency

- Easily achieves high levels of thermal performance

Durability

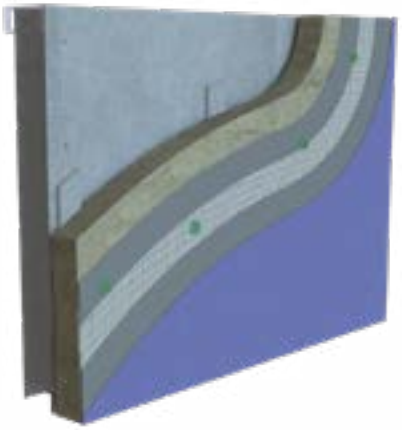
- Highly durable and weather resistant

A popular choice for lightweight framed structure.

Our market-leading Cavity Systems consist of Euroclass BS EN 13501 - A1 components, which are mechanically fixed back to the inner sheathing board to create the designed cavity width. The insulation board is either fitted directly to the A1 fillets (CS1 system), or a secondary A1 sheathing board and insulation (CS2 system). Our A1 EWI cavity systems are supplied with either a silicone or mineral top coat finish, or brick slips.

Cavity System 1

- Nominal 15mm cavity using SPSenvirowall Cavity System
- Breather membrane (optional)
- Mineral wool insulation fitted to A1 fillets
- Base coat incorporating plastic glass fibre reinforcing mesh
- Textured top coat or brick slip finish



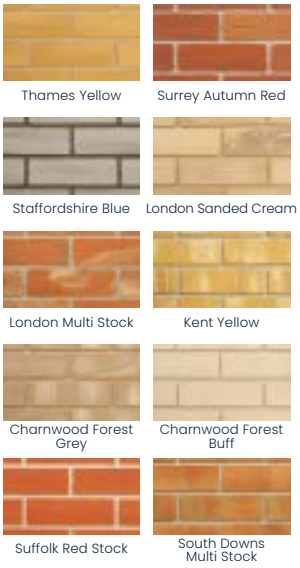
Cavity System 2

- Nominal 15mm cavity using SPSenvirowall Cavity System
- Breather membrane (optional)
- Mineral Wool Insulation mechanically fixed to CS2 secondary A1 sheathing board
- Base coat incorporating plastic glass fibre reinforcing mesh
- Textured top coat or brick slip finish

Finishes and colours*

Silicone or mineral top-coat

SpeedySlip or SLIPFAST®



* This is just a small selection of the wide range available.

RendaClad® Rainscreen Cladding System

A seamless rendered or brick slip rainscreen system for LSF or timber framed construction.

A1 A2

CENTRE FOR WINDOW AND CLADDING TECHNOLOGY

BBA

BOPAS Building Control Property Assurance Scheme

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System Benefits

Safety and Performance

- BBA Agrement Certification (timber battens and top hat)
- BOPAS Accreditation
- CWCT tested, incorporating Benx associated products including Allface Support frame
- All key components A2 – s1 d0 or better fire-rating (BS EN-13501)

Economics and Speed of Installation

- Cost Effective: Rendaclad provides value for money without compromising on quality or performance.
- Fast Installation: Rendaclad's innovative design allows for swift and efficient installation, saving both time and labour costs..

Durability

- 30 and 60 year minimum design life options available
- Long-term durability and high-resistance to dirt
- Resists algal spoiling
- High resistance to cracking and delamination

Versatility

- Our system offers the best of both worlds, providing the finish option of External Wall Insulation (EWI) while retaining the flexibility of a rainscreen system.
- Extensive choice of renders, brick and stone slip options

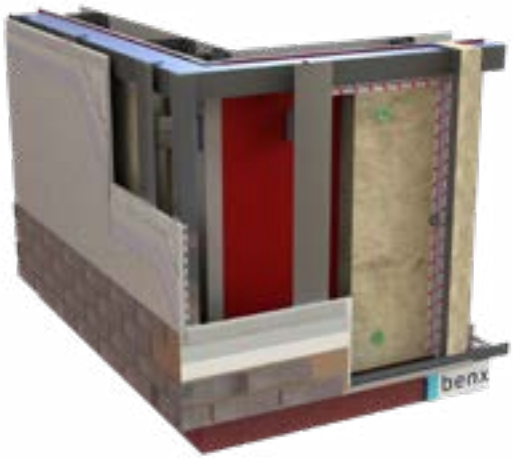
Carbon Footprint

- Overall system weight lower than most competing systems
- Less storage required onsite

A flexible system configuration for a range of construction methods

RendaClad System on
Timber Battens

RendaClad System on
Top Hat Sections



RendaClad System on
Allface Mounting System

Finishes and colours*

Silicone or mineral top-coat

SpeedySlip or SLIPFAST®

* This is just a small selection of the wide range available.

Swisspearl™ Fibre Cement System

Coloured fibre cement panels give façades, individuality, texture, colour and a highly effective protective layer.

System Benefits

Safety / Performance

- Fire rated to EN 13501-1 class A2-s1, d0
- KIWA BDA certification BAW-19-097-S-A-UK
- BBA Agrément – Cert 15/5227

Key features

- Integrates with other Benx products to create a certified system solution
- Customised colours and colour-matched fixings available
- Virtually maintenance free
- Suitable for buildings over 18m
- High levels of weather resistance and durability

Carbon footprint

- manufactured using 95% naturally-sourced materials

Key applications

- External façades
- Rainscreen cladding systems
- Roof solutions
- Design-led buildings
- Soffits and facias

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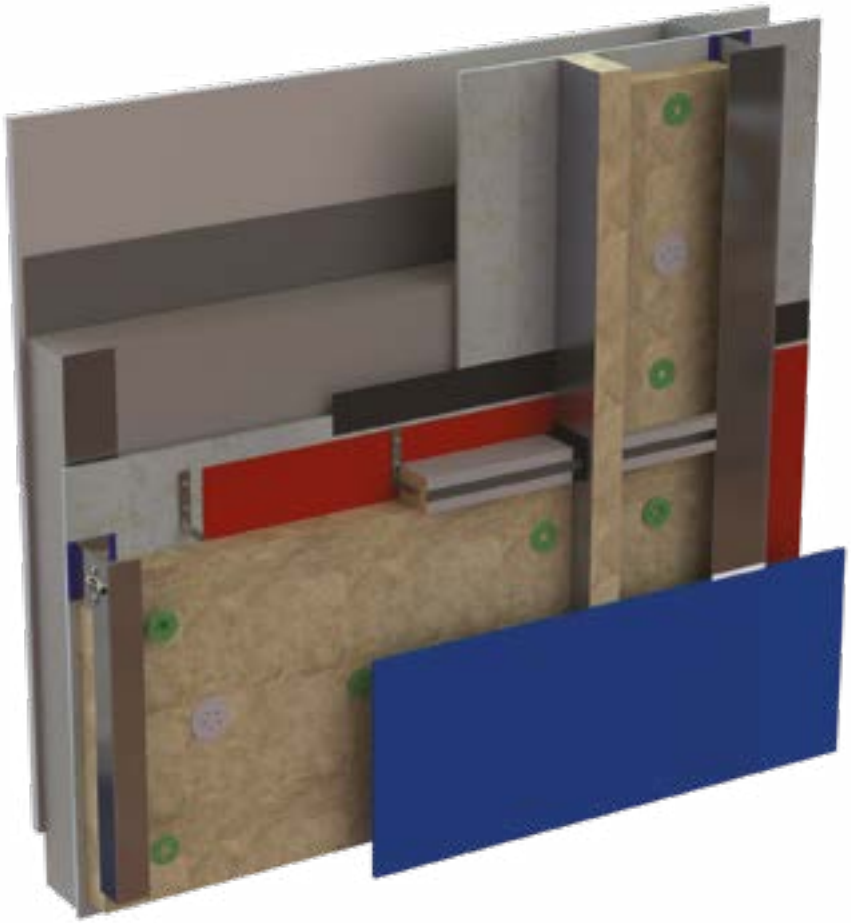
Freedom to design without limits

The proprietary processes pioneered by Swisspearl façades, with a special surface finish, sealed edges and back coating ensure optimal behaviour and durability of the panels, which have been proven over 50 years. These rear-ventilated systems can be used in a wide range of weather and temperature conditions and are quick and easy to install.

Our Swisspearl façade systems are cost-effective building envelope solutions which retain their value. Not only are they very energy efficient but are also virtually maintenance free.

Swisspearl is an innovative and ecological construction material with a unique aesthetic appearance and excellent durability. Manufactured in Switzerland, Swisspearl façade panels are made from 95% natural raw materials from the Swiss Alps.



Finishes and colours*

*This is just a small selection of the wide range of finishes and colours available.

Colour swatches have been reproduced as accurately as possible; however there may be some variations due to technical, colour reproduction and render manufacture reasons.

If you require an accurate swatch, please ensure you ask us for a sample of the product and colour chosen prior to commencing any works.

Supertech™ Weather board System

Create truly stunning façades with our fibre reinforced cement weatherboard system.

A1

BBA

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System Benefits

Safety / Performance

- A1 Fire Classification BS EN 13501-1: 2018.
- BBA Certified System – 19/5708

Key applications

- Ventilated rainscreen cladding
- Over-cladding for existing buildings
- New build façades
- Feature detailing

Key features

- Easy to install and lightweight
- Range of colour matching aluminium trims available
- Low maintenance, long performance life
- Excellent appearance without the imperfections seen in timber

Handling and installation

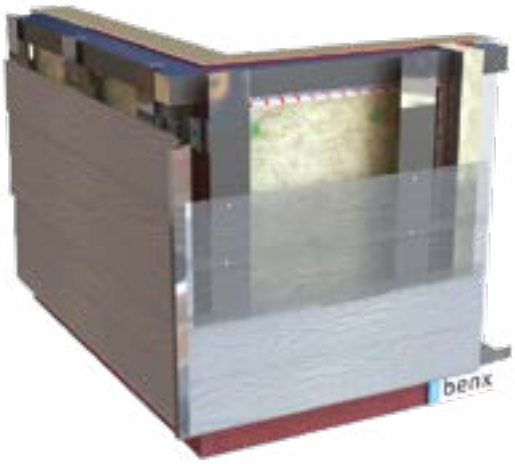
Lightweight and easy to install. Can be cut, drilled and nailed with conventional woodworking tools in a similar fashion to timber. *

* For cutting the product in any volume, we recommend the use of an RCM polycrystalline diamond Dart Blade to avoid excessive wear on other blades.

We offer a complete fabrication service (please contact us for details).

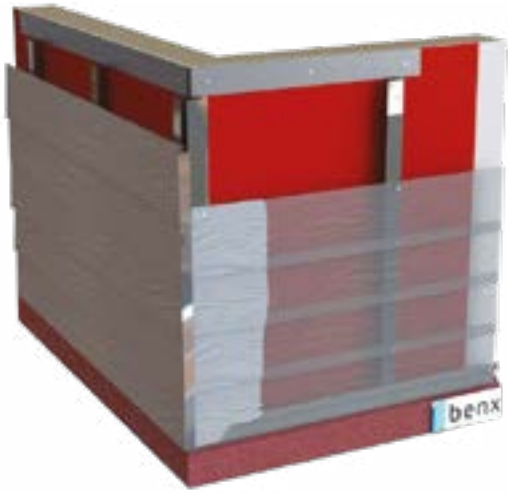
Designed to stand the test of time

Supertech™ Weatherboard is a simple-to-install, fully ventilated rainscreen cladding system which has an appearance similar to that of timber but the durability and strength of cement. It benefits from BBA Certification and an A1 non-combustible Fire rating.



Supertech on
Allface Mounting System

Supertech on
Timber Battens



Supertech on
Aluminium Z Sections

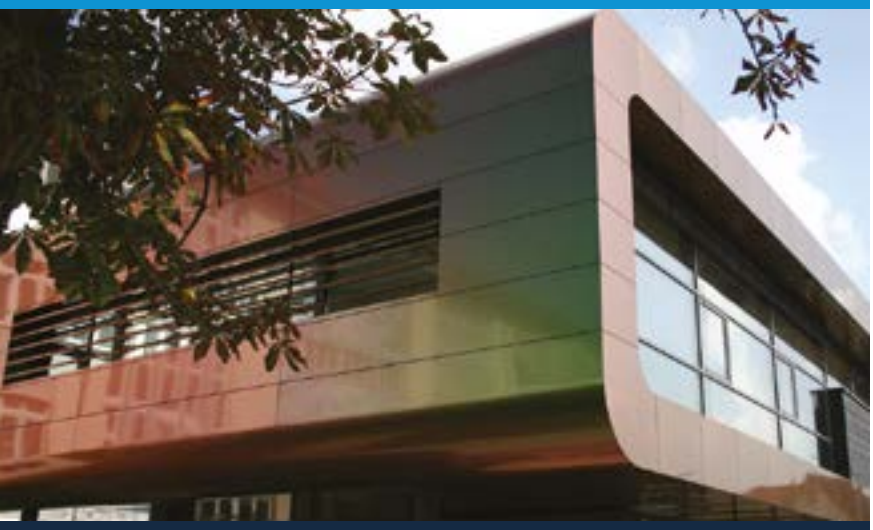
Finishes and colours*

*This is only a small selection of colours available. Smooth and woodgrain options are also available.

Colour swatches have been reproduced as accurately as possible; however there may be some variations due to technical, colour reproduction and render manufacture reasons.

If you require an accurate swatch, please ensure you ask us for a sample of the product and colour chosen prior to commencing any works.

Luxe Coat Aluminium Façade Systems



A versatile, high-performance façade system, having the ability to transform a building.

A1

CENTRE FOR WINDOW AND CLADDING TECHNOLOGY

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System Benefits

Safety / Performance

- EN13501-1 A Rated fire classification
- CWCT tested incorporating Benx associated products including Allface Support frame

Key features

- High strength-to-weight ratio
- Extensive finish and colour range

Durability

- High Impact Resistance
- Extensive durability testing carried out by Lucideon.

Key applications

- Rainscreen cladding systems
- Architectural façades

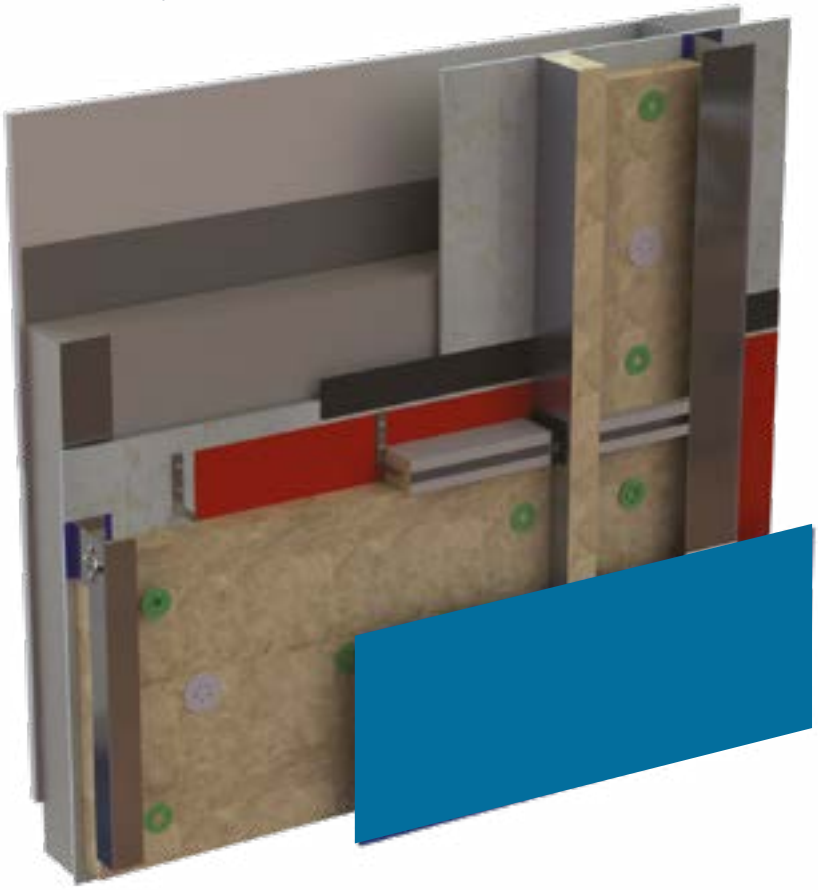
Carbon footprint

- Panels are 100% recyclable

Italian style, and much more

Luxe Coat solid aluminium cladding provides an A1 (non-combustible) fire-rated, high impact resistant solution with exceptional durability and mechanical performance benefits. Aluminium's light weight and high strength-to-weight ratio make it a compelling option as a façade material, while its fire reaction and insulating properties provide safety and energy efficiency.

From its manufacturing base in Italy, Luxe Coat produces high quality solid aluminium panels in a range of innovative finishes and almost unlimited colour choices. In addition, its panels are 100% recyclable.



Finishes and colours*

White
Cream
Beige
Light Grey
Platinum Grey
Basalt Grey
Anthracite Grey
Deep Black
Yellow
Orange
Red
Ruby Red
Yellow Green
Moss Green
Steel Blue
Ice Silver Metallic
Dark Grey Metallic
Champagne Metallic
Bronze Metallic
Copper Metallic
Gold Metallic

*This is just a small selection of the wide range of finishes and colours available.

Colour swatches have been reproduced as accurately as possible; however there may be some variations due to technical, colour reproduction and render manufacture reasons.

If you require an accurate swatch, please ensure you ask us for a sample of the product and colour chosen prior to commencing any works.

SLIPFAST®
Mechanical brick slip system

'A' Fire Rated, fast track, mechanically fixed clay brick slip system.

A1 A2 CENTRE FOR WINDOW AND CLADDING TECHNOLOGY kiwa

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System Benefits

Safety and Performance

- A1 and A2 fire-rated options available
- CWCT and KIWA certified
- Mechanical (non-adhesive) system with excellent wind loading performance

Cost and Speed of Installation

- Innovative 'rail and clip' system has lower material content than competing products
- Faster to install than rival systems, reducing labour costs.
- Minimal skill level required for slip application
- Brick slip application not weather dependent
- Light weight improves handling efficiency

Durability

- Certified system life in excess of 60 years
- Core mechanical components stainless steel as standard
- High level of impact resistance
- Suitable for coastal environments without modification

Versatility

- Suitable for both onsite and offsite applications
- Allows different support frames
- Easily manipulated for detailing
- Multiple panel sizes available

Carbon Footprint

- Overall weight lower than most competing systems
- Majority of key components UK manufactured including brick slips
- Slip-firing process minimises embodied carbon

SLIPFAST® incorporates an innovative 'rail-and-clip' system which delivers a step change in installation efficiency, without compromising performance or aesthetics.

System 1 Timber battens or galvanised steel top-hat profiles

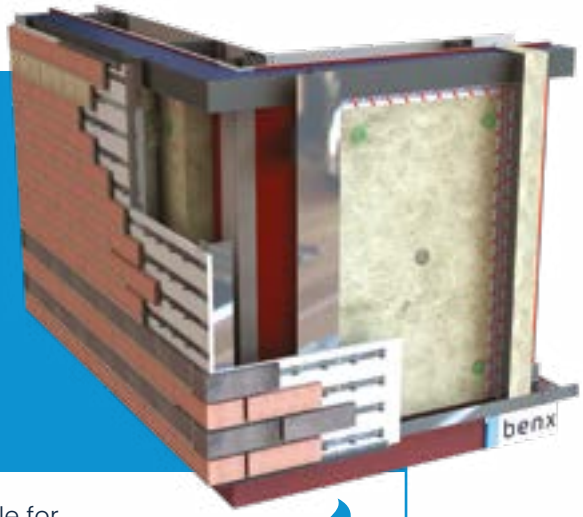
Our flexible design means that not all timber battens are required to be fixed back to the primary structure.

A2 Fire rated - suitable for buildings up to 18 metres.

A2

System 2 Allface aluminium support frame

Allface support frame fixed back to primary studs at maximum 600 mm centres.



A1 Fire rated - suitable for buildings up to and over 18 metres.

A1

System Certifiication

SLIPFAST® façade systems are tested to A1 and A2 fire resistance standards. The carefully selected components have been rigorously tested, both individually and as systems, making SLIPFAST® among the very few KIWA or BBA certified systems of their type. Our rigorous testing and certification process ensures long-term performance and lasting appeal.

Finishes and colours*

Other colours and textures are available, dependent on project size

*Colour swatches have been reproduced as accurately as possible; however there may be some variations due to technical, colour reproduction and render manufacture reasons.

If you require an accurate swatch, please ensure you ask us for a sample of the product and colour chosen prior to commencing any works.

Recladding Products

In addition to our integrated façade systems, we offer a wide range of industry leading components.

External Sheathing Boards

Our sheathing board range includes A1 fire rated and BBA approved products. From timber to steel frame, high to low rise, our range of sheathing boards, offers a solution for all structural applications.

Y-wall™

RCM Y-Wall is a market-leading, A1 fire-rated, calcium silicate sheathing board. This BBA-certified product is perfect for use as a fire rated sheathing board. Offering excellent fire properties as well as high levels of dimensional stability, Y-wall is an exceptional board for use in multiple applications.

Georgia-Pacific DensGlass® Sheathing

DensGlass Sheathing is a high performance, A1 Fire Rated sheathing board that comprising of a fibreglass mat with a gypsum core, designed to provide a high degree of protection from the elements in external cladding constructions.

Multipurpose™

RCM Multipurpose is an A1 non-combustible, cellulose fibre cement board. RCM Multipurpose is a highly versatile cellulose fibre cement building board, offering excellent strength, weathering and acoustic properties. It is available as building boards and soffit strips.

CEMBOARD

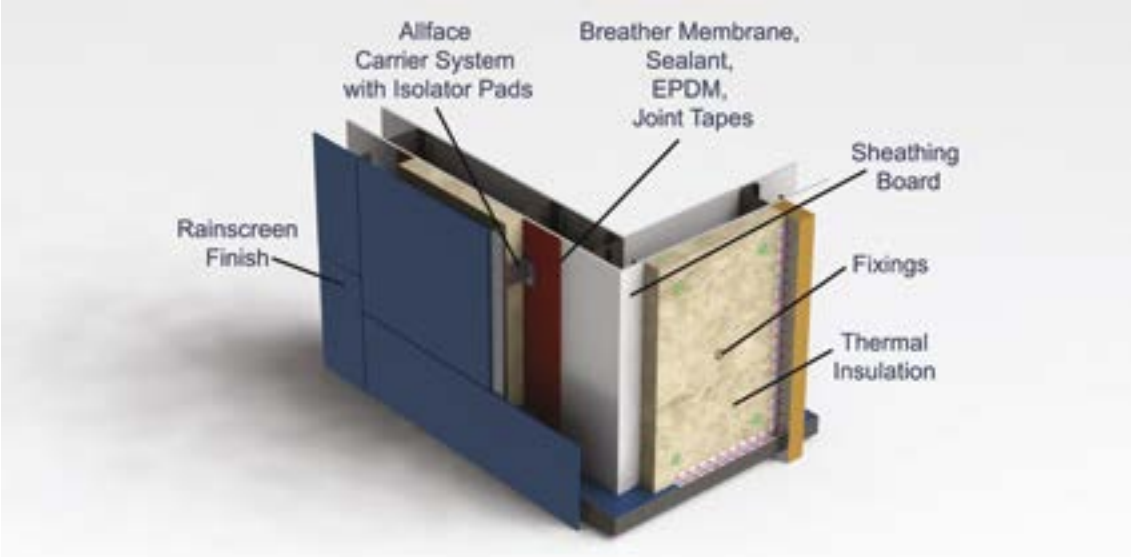
RCM Cemboard is a high-performance cement bonded particle building board. This rigid, medium density, high-performance cement bonded particle building board offers great strength and stability with the workability of wood.

Support Framing System

ALLFACE
Smart Fixing Systems

Allface is our scaleable, highly versatile cladding fixing system based on a range of high quality brackets and support rails. It can be applied to most brands of exterior cladding panels and is compatible with all common façade finishes.

kiwa



Ancillary Products

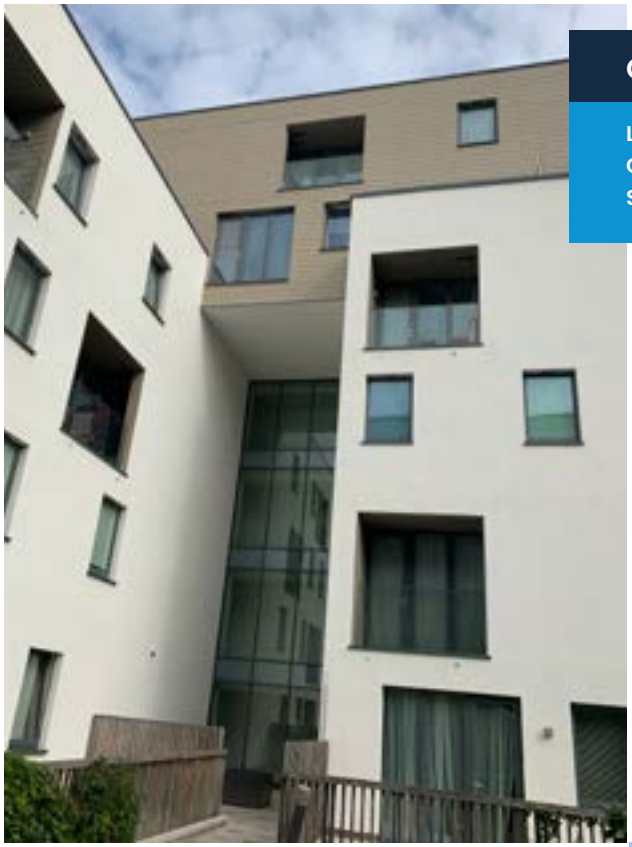
Benx supplies a full range of ancillary products for the installation of rainscreen façades and EWI systems, including fixings, cavity barriers, insulation and renders.






Case Studies

A selection of the recladding projects, showcasing our innovative recladding solutions.



Colindale: The Northern Quarter

LOCATION: London
CUSTOMER: Lawtech
SYSTEM: Y-Wall, Cavity System 2

The Northern Quarter is a 1960's residential development located in Colindale, North London consisting of four multi-storey buildings

Following changes to the Building Regulations in the wake of the Grenfell Tower tragedy, it was important to ensure that the recladding work complied with the new rules. The recladding project was designed to also improve the energy efficiency of the building and enhance its aesthetic appeal.

The desired outcome was achieved using Cavity System 2, mechanically fixed back to our Y-Wall sheathing board, with a render finish. This resulted in a stunning A-1 fire rated, KIWA BDA certified, thermally efficient EWI solution.

TRS Apartments

LOCATION: Middlesex
CUSTOMER: Mi-Space/C&P Plastering
SYSTEM: Wall System 1, SpeedySlip Brick Slips, White EnviroSil

TRS Apartments is a high-rise building in Middlesex which was reclad to make 149 residential apartments compliant with current safety standards. SPSE Envirowall was appointed to supply a fire-safe external wall insulation system. Approximately 2,800m2 of wall area was stripped of the existing external façade before the application of the new EWI facade system onto its concrete frame.

The 9-storey tower block was specified with Wall System 1, comprising mineral wool insulation, with a thickness of up to 100mm. The mineral wool offers an A+ EuroClass fire classification, has excellent acoustic properties and thermal performance and is ideal for use behind our silicone EnviroSil 1.5mm render and SpeedySlip brick-slips.

Polden House

LOCATION: Bristol
CUSTOMER: SERS
SYSTEM: Wall System 2, featuring SpeedySlip and Enviromin

Polden House is a residential building, constructed in the early 1970s. The building was designed with a concrete façade which had begun to deteriorate over time, resulting in water leaks and poor insulation. To address these issues as well as provide enhanced fire safety, the building's owners sought to re-clad the exterior of the building with a modern EWI system.

Our customer, SERS proposed a solution that involved the installation of our A-rated Wall System 2 insulated cladding system incorporating a two part finish of SpeedySlip acrylic brick slips and enviromin render. The new fire-safe system was designed to provide enhanced insulation, reduce energy costs, and provide a modern appearance to the building.

Prospect Place

LOCATION: Cardiff
CUSTOMER: Jesella
PRODUCTS: Swisspearl, Y-Wall, Wall System 1

Prospect Place is a high-rise residential building, constructed in the 1960s with a concrete façade which had become weathered and outdated over time. The main challenge of this project was to find a solution that would not only improve the building's energy efficiency but also provide a modern and attractive appearance.

A combination facade, comprising EWI Wall System 1 and Swisspearl fibre cement panels was specified for the reclad. Benx was chosen as the façade supplier primarily because of its specialisation in A-rated facades, but also because many of the façade elements could be fabricated off-site, allowing for quick and efficient installation on-site. This approach minimized disruption to the building's residents and reduced the overall project timeline.

Our portfolio at a glance

Category	Product/ System	Description	Fire Classification	Certification, approvals, testing
Boards	Multipurpose	Highly versatile cellulose fibre-cement building board, offering excellent strength, weathering and acoustic properties.	A1	BBA
	DensGlass	High performance sheathing board that consists of a fibreglass mat with a gypsum core which is both lightweight and easy to cut to shape.	A1	BBA
	Y-Wall	High-quality flexible calciumsilicate cement-based building board. Offers excellent fire properties as well as high levels of dimensional stability.	A1	BBA
	Cemboard	Rigid, mediumdensity, high-performance cement bonded particle building board which offers great strength and stability with the workability of wood.	B-s1, d0	
Support Framing	Z-profile; Top Hat section; Allface support frame	Suitability: Low-to-mid rise buildings; Cavity depth 38mmor 50mm Suitability: Low-to-mid rise buildings; horizontal or vertical; Cavity depth 25mm Suitability: Mid-to-high rise buildings; Cavity depth 50mm-300mm +.	A1	Allface - KIWA BDA
Façade Systems	RendaClad system	A seamless rendered or brick slip rainscreen system on to LSF or timber framed structures.	System - A1 and A2	BBA, BOPAS, CWCT tested slips and render
	Cavity System 1 & 2	Typically used on lightweight steel framed structures to create a void between the cladding and the sheathed framed structure. Available in a render (Mineral or acylic) or brick slip finish.	Primary cavity components. System - A1 and A2 options	KIWA BDA, CWCT tested slips
	Supertech Weatherboard system	Fully-ventilated rainscreen cladding system which has an appearance of traditional timber cladding but the durability and strength of cellulose fibre cement.	System - A1	BBA
	Swisspearl system	Through-wall certified system with Swisspearl coloured fibre cement panels.	System – A2	KIWA BDA (full through-wall certification); BBA
	Rockpanel system	Through-wall system with coloured Rockpanel basalt bonded panels.	System - A2	CWCT tested
	Luxe Coat Solid Aluminium system	Through-wall system with coloured solid aluminium panels.	System - A1	CWCT tested
	SLIPFAST® mechanically-fixed brick slip system	Rain screen system suitable for timber frame (up to 18m), SFS (up to and above 18m).	System 1 - A2 System 2 - A1	KIWA BDA CWCT tested
	Direct Fix Systems	External wall insulation systems specifically for framed structures where the insulation is fixed directly back to the sheathing board.	System - up to A1 dependent on components used	BBA onto timber frame, Kiwa onto

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Images included in this brochure are taken from projects supplied by Benx. The available range of finishes may, in certain situations, differ from those shown in the project images.

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