SAIINT-GOBAIIN'S GUIDE TO PREPARING FOR THE FUTURE HOMES STANDARD For new build homes in England



# WHAT'S INSIDE THIS GUIDE

This guide presents housebuilders, contractors and self-builders with an overview of the goals for the Future Homes Standard and proposed changes to domestic new build properties in England. We explore a range of Saint-Gobain building solutions to help you meet the requirements as defined, no matter what your proposed construction method or approach.

# WHAT IS THE FUTURE HOMES STANDARD?

In a bid to tackle the UK's climatewarming emissions, the UK Government is committed to delivering zero-carbon homes by 2025 through their Future Homes Standard, which was announced in the Government's 2019 spring statement.

The aim of the Standard is to improve the performance of new homes, prepare them for zero carbon energy supply and to change the calculation method used to determine the performance of a building by considering the performance of the building as a whole.

As part of this drive to a zero-carbon future, new homes in England may no longer be built with fossil fuel heating, such as a natural gas boiler. It is also expected that heat pumps will become the primary heating technology and significant improvements will be made to insulation and airtightness.



# WHO WILL BE AFFECTED BY THE NEW STANDARD?

The Future Homes Standard currently will apply to all new build homes and self-builds in England.



## DID YOU KNOW:

The Future Homes Standard will also cover requirements for upgrades to existing homes and new nondomestic buildings. While this document is focussed on new build. homes in England, look out for further guides covering this areas in the future.





Saint-Gobain's commitment to highperformance buildings that combine performance and sustainability is at the heart of our purpose to **Make the World a Better Home** and our vision to be the leader in light and sustainable construction.

We have been actively working on building performance and comfort for many years and have developed considerable expertise.

Our Building Test Centre was established in 1967 in Leicestershire, is UKAS accredited and provides structural, acoustic and fire testing capability to Saint-Gobain and the whole industry.

Based in Paris our global research team is heavily focussed on building performance and high-performing materials for building comfortable homes, with more than 3,000 researchers supporting our teams.

In 2022 we launched our latest research project in collaboration with Barratt Developments and the University of Salford. ehome2, a 3-bedroom home was built inside a climatic chamber with a high proportion of Off-Site Construction (65%) to help us test and develop solutions for new homes capable of delivering the Future Homes Standard at scale.



MIKE CHALDECOTT, CEO Saint-Gobain UK

We welcome the **Future Homes Standard** and are ready to support customers to help deliver on its goals. The Standard will improve the energy performance of buildings, which will lead to more comfortable, energy efficient homes - vital in achieving netzero emissions by 2050 and our purpose to Make the World a Better Home.

Saint-Gobain has a wide range of solutions and services that are aligned closely to the goals of the Future Homes Standard. The breadth of solutions we deliver, alongside our expertise in building solutions and testing expertise make Saint-Gobain a great partner for housebuilders, contractors and self-builders who will be delivering new buildings to the Future Homes Standard. No matter what build or construction approach you plan to take, we have high-performing solutions to suit.

## **FUTURE HOMES STANDARD TIMELINE**



## THE FUTURE HOME STANDARD IN NUMBERS



ANNOUNCEMENT THAT NEW HOMES WILL PRODUCE 75-30% LESS CARBON BY 2025.

## 2023:

2023 TECHNICAL SPECIFICATION TO BE CONSULTED BY THE DEPARTMENT FOR LEVELLING UP, HOUSING AND COMMUNITIES (DLUHC)

2025: standard to launch.



The built environment accounts for a total of 25%<sup>1</sup> of the UK's greenhouse gas emissions. 14%<sup>2</sup> of the UK's emissions come from heating homes.

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(1) Source: UK Green Building Council (UKGBC), Net Zero Whole Life Carbon Roadmap Technical Report (November 2021) p 10. Note: This figure includes buildings and infrastructure and relates to consumption emissions (i.e. the figure includes emissions from imported materials) (2) Source: HM Government, Heat and Buildings Strategy, October 2021, p 23



#### FUTURE HOMES STANDARD GUIDE $\setminus$ 5

# WHAT'S IN THE FUTURE HOMES **STANDARD CONSULTATION?**

In December 2023 the Government released the much-anticipated consultation on the technical specification of the Future Homes and Building Standard.

In all, 40 documents were released totalling 1,600 pages including details of a new building model calculator. Explore key points from the Future Homes and Buildings Standard consultation below. Remember, these are proposals, not final rules, and details may change.

## PERFORMANCE REQUIREMENT FOR NEW HOMES:

**HOME HEAT SOURCES:** 

• Air Source Heat Pumps and 4th generation heat networks such as local district / community heat systems delivering lower temperature water (~65°C) distribution to a local area via renewable energy

- No practical use of fossil boilers
- Wood and solid fuel heating systems unlikely to be allowed

#### SOLAR PV:

 Solar Panel are prioritised with PV (the conversion of solar energy to electricity) or without (solar panels purely for hot water)

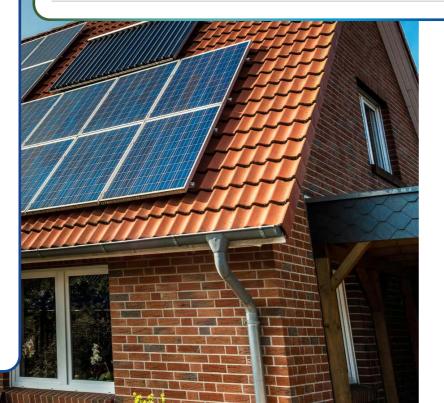
#### **BUILDING FABRIC:**

•Currently, the Standard Assessment Procedure (SAP) model is used to evaluate building energy performance. This is being replaced by a new system called the Home Energy Model (HEM). While the base requirements for building elements like walls, floors, and roofs (measured by U-values) won't fundamentally change, this is only the minimum standard. To meet the stricter performance levels set by HEM, you'll likely need to improve these elements beyond the minimum U-values. In other words, while the fundamentals might seem the same, achieving good performance under HEM will require going above and beyond.

Improved air-tightness requirement

Table 4.1: Summary of proposed main notional building specifications for homes -Options 1 and 2. For full specification see The Future Homes Standard 2025: dwelling notional buildings for consultation.

Building Element	Option 1	Option 2
Roof U- value (W/m <sup>2</sup> K)	0.11	0.11
External wall U- value (W/m <sup>2</sup> K)	0.18	0.18
Floor U-value (W/m <sup>2</sup> K)	0.13	0.13
Window <mark>U</mark> -value (W/m <sup>2</sup> K) <sup>1</sup>	1.2	1.2
Door U-value (W/m <sup>2</sup> K) <sup>1</sup>	1.0	1.0
Wastewater heat recovery	Yes <sup>2</sup>	No



#### METRICS FOR MEASURING A BUILDING'S PERFORMANCE:

NEW METRICS ARE BEING INTRODUCED FOR HOMES AND NON-DOMESTIC BUILDINGS. THESE INCLUDE:

THE DWELLING FABRIC ENERGY EFFICIENCY RATE (FEE)

WHICH MEASURES THE USEFUL ENERGY DEMAND REQUIRED FOR SPACE HEATING AND COOLING OF THE PROPERTY.

# DID YOU KNOW SAINT-**GOBAIN'S PATENTED QUB TESTS RAPIDLY SPEED UP BUILDING PERFORMANCE TESTING** TO IN THE BUILDING'S ACTUAL PERFORMANCE.



#### **REAL-WORLD BUILDING PERFORMANCE:**

Greater emphasis is placed on how the building performs once constructed, how services and technology is installed and how the home owner is helped to understand how their home works. Key topics being consulted on include:

home before a new property is sold

• This may include The launch of the Future Homes Standard brand to give consumers confidence in the building's performance

• Changes to how fixed building services are commissioned. These include systems such as: mechanical ventilation, hot water storage vessels and On-site electricity storage systems.

• New routes to certifying these installations and enforcing where necessary

• The introduction of Home User Guides

ALLOW YOU TO HAVE CONFIDENCE

# • The introduction of a voluntary scheme to test the performance of a

## **HOW CAN SAINT-GOBAIN HELP YOU?**



With 350 years of manufacturing expertise, coupled with unrivalled access to high performing materials and supply chain solutions, we are well placed to develop bespoke solutions for the UK's major new build development projects.

Working in partnership with our customers, we are committed to delivering a Saint-Gobain solution led approach, while meeting Saint-Gobain's purpose to Make the World a Better Home and reach our net-zero carbon commitment by 2050.



Saint-Gobain has partnered with Barratt Development, the University of Salford and a host of innovative companies to understand how sustainable housing can be delivered at scale using construction solutions manufactured off-site. in line with our vision to be the worldwide leader in light and sustainable construction.

For more information on eHome2, and the range of solutions from Saint-Gobain and other partners **here**.

## **OBJECTIVES**

The eHome2 comprises innovative solutions from across the Saint-Gobain group together with other innovative partners.

The objectives of the eHome2 are to:

Understand how to deliver Net Zero carbon housing at scale using off-site, lightweight construction solutions

Monitor the performance of the house to inform future innovations

Research fabric and services efficiency, thermal comfort, usability and resilience to external climates

## **SAINT-GOBAIN'S LIGHTWEIGHT AND** SUSTAINABLE SOLUTIONS DELIVER HIGH **PERFORMING BUILDINGS**

Taking a whole-building, holistic approach to your building design is essential to meet both the current standards and the Future Home Standard.

No matter what build method you plan to adopt for your project or development, whether it is light gauge steel frame, off-site timber construction, or traditional brick and block, or a combination, Saint-Gobain has a wide range of solutions which can be selected to meet your performance requirements and outcomes.

eHome2 has British Gypsum plasterboard skim finished with their PureFinish plaster which contains ACTIVAIR technology. ACTIVAIR makes indoor spaces healthier by eliminating up to 70% of formaldehyde present in indoor air.

eHome2 also features light Gauge Steel (Ultrasteel) internal partitions and Magnetic plaster.

British Gypsum

provide pre-manufactured, high-performing thermally efficient roof systems.

**Roofspace Solutions** 

Roofspace

Solutions

Saint-Gobain brand Intrastack offer light gauge steel frame solutions for multioccupancy buildings and can be combined with Saint-Gobain Exterior Solutions to provide a building fabric solution.



Scotframe provide structural timber frame solutions, including Thermistud™, a system designed to meet the Future homes standard. The Category 2 Closed Panel timber frame system includes maintenance-free insulation that cuts energy bills, and innovative connections that reduce thermal bridging and enhance airtightness. With the inclusion of critical vapour control membranes. service zones and externally fitted battens applied in the factory, the system speeds up build time and ensures a high performing fabric achieving 0.13 W/m2k as standard.



Posi-JoistTM floor cassettes allow for the integration of services, particularly Mechanical Ventilation & Heat Recovery systems (MVHR). Top hung joist detail reduces thermal bridging at wall-floor interfaces. Roof trusses were used to construct a thermally efficient attic space. Both the floor cassettes and trusses are constructed from sustainably-sourced timber.



Isover's high-performing, sustainable glass mineral wool insulation products are installed at eHome2. This includes Acoustic Partition Roll, for internal partitions which delivers a measurable reduction in sound transmission. It also includes Timber Frame Roll 35 in the external walls and Spacesaver Plus in the loft which help to reduce heat loss within the building and decrease energy costs. They are manufactured in the UK with an electric furnace powered through a renewable energy tariff and are made from upto 80% recycled glass cullet as the principle raw material.

> Saint-Gobain Glass' PLANITHERM ONE T low-e coated glass has enhanced thermal insulation optimised for both double and triple glazing. The UK manufactured glass reduces heat loss through the window, resulting in significant energy savings and has low solar gain, reducing overheating in the home. STADIP SILENCE acoustic laminated safety glass delivers enhanced security and safety, improved noise-control, and UV light protection to reduce furniture-fade.

weberend MT render system, webersil TF decorative finish and weberwall brick effect were used to reduce time onsite through the speed of application and drying time

weberwall brick can be installed over three times faster than traditional brick slips and can also significantly reduce site waste. These products from Saint-Gobain Weber provide lightweight, fast-track solutions in multiple colours and finishes.



HOME ENERGY MODEL - PROPOSED TO REPLACE SAP.

The Standard Assessment Procedure (SAP) for energy rating of dwellings is the methodology currently used by the government to estimate the energy performance of homes. It has 2 main uses: to demonstrate compliance of homes with Part L of the Building Regulations and to generate Energy Performance Certificates (EPCs) for all homes, which advise occupants, prospective buyers, landlords, and renters of the energy performance of a property.

The consultation proposes to replace SAP with a new Home Energy Model (HEM) assessment which will be required to demonstrate The Home Energy Model: Future Homes Standard assessment is the methodology which will be used to demonstrate that new dwellings comply with the Future Homes Standard. This will help address the gap that exists in how homes are designed to perform and how they do in real world practice. The new Home Energy Model (HEM) goes into great detail, making it essential to carefully consider and evaluate how your building will perform under its standards.

**PROPOSED CHANGES TO WINDOW PERFORMANCE ASSESSMENTS:** 

The U-value for windows remains at 1.2Uw. However the method to calculate the Uw could change. It is proposed that: The U-value of windows and doors should be calculated using the actual size and configuration of the window used not, as is the case today, based on a standardised 1.23m x 1.48m window.

If this proposed change happens, to achieve the required 1.2Uw under the new proposed assessment method, some windows used in new housing are likely to have to be tripleglazed.

These are just a summary of some of the key proposals in the consultation documents.

We will be publishing more details over the months ahead.

WHATEVER DESIGN AND BUILD APPROACH YOU ARE TAKING ON YOUR PROJECT, GET IN TOUCH WITH US TO FIND OUT HOW WE CAN SUPPORT YOU TO CREATE **HIGH-PERFORMANCE BUILDINGS.** 

CONTACT US VIA: SGUKCOMMS@SAINT-GOBAIN.COM



#### SERVICES TO SUPPORT BETTER HOMES

A critical element of delivering high performing 'Future Homes Standard buildings' is using the most appropriate products and solutions to meet the performance needs, together with knowledge of building design and the application of solutions. Taking a holistic view of how these solutions combine to deliver performance will be essential for new building house builders from 2025.

Saint-Gobain's expertise extends far beyond its product and solutions. We utilise our knowledge of building products built up over many years with our expertise in product testing and have developed a wide range of additional services to support our customers.

#### These include:

- SAP
- Junction detailing for performance
- U-value assessment and calculation
- Psi Values

In addition to this expertise, we are developing additional services to support customers as the industry moves to high levels of building performance. These services include in the medium term:

- Rapid pre-occupation testing (Saint-Gobain's QUB system)
- Design and application platforms
- Optimised building delivery programming

These services, and our broad product and solution expertise, mean Saint-Gobain can support customers throughout this transition to the Future Homes Standard.

#### **SAINT-GOBAIN SOLUTIONS**

Saint-Gobain has plenty of expertise when it comes to fabric-first solutions and can help you prepare for the journey ahead.

Why not get ahead and start browsing a range of high performing solutions on offer to help you to prepare for the 2025 Future Homes Standard.

#### GLASS

Saint-Gobain Glass manufactures some of the UK's most energy efficient glass.



Planitherm is a range of modern, high-performance glazing for the home made by Saint-Gobain Glass. Planitherm glass doesn't just meet UK energy standards and Building Regulations, it exceeds them: offering better efficiency than traditional double glazing. Planitherm glass can be used to achieve the best possible U-values and Window Energy Ratings.

#### FIND OUT MORE HERE



SAINT-GOBAIN GLASS: PLANITHERM GLASS



#### **INSULATION FROM SAINT-GOBAIN INTERIOR** SOLUTIONS

Saint-Gobain Interior Solutions offers a comprehensive range of thermal insulation solutions. from loft and room in the roof to cavity and party wall insulation. The range of glass mineral wool products are marketed under the ISOVER brand.

The progressive improvement of The introduction of innovative systems building performance and the approach has strengthened the next generation to building better with a more holistic of construction materials, with 'whole building' focus is supported by increased speed of application, modern a range of solutions and services from thin coat renders and the ability to Saint-Gobain Interior Solutions that can improve insulation thicknesses to already be used to meet the relevant contribute to meeting new and retrofit potential thermal targets. thermal requirements. All products are comprehensively tested and developed to meet your performance FIND OUT MORE HERE requirements.







## 

From lightweight render systems and external wall insulation (EWI) to fastdrying floor screeds, Saint-Gobain Weber has a diverse range of solutions that challenge traditional methods of construction.





#### PLASTERBOARD FROM SAINT-GOBAIN INTERIOR SOLUTIONS

Saint-Gobain's plasterboard products take into account different building requirements: energy performance, thermal regulations, fire protection and improved interior air quality.

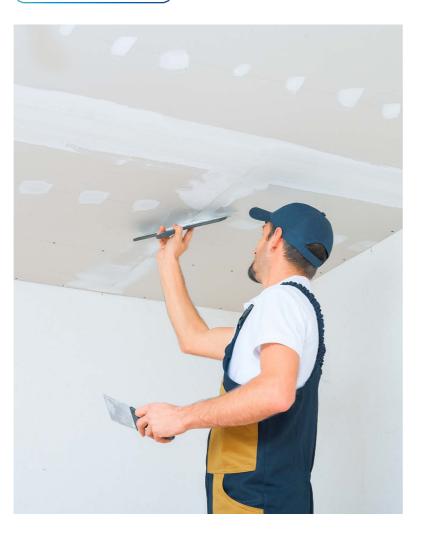
There is an appropriate solution for each living space and a high performance thermal laminate plasterboard. For example, Gyproc ThermaLine PIR, is designed to be used in new builds for walls, ceilings, room in the roof and window reveals where a high level of cost effective thermal insulation is required to reduce heat loss from buildings as part of the British Gypsum BBA approved systems.

#### Indoor air quality

British Gypsum's ACTIVair products can help to remove harmful compounds in the air. Pollutants found in both our working and living spaces, called VOCs (volatile organic compounds), can cause health problems and a reduction in our general wellbeing. They are naturally emitted into rooms by people, pets, cleaning products as well as furniture, carpets and paints. The most common VOC found within our living and working spaces is formaldehyde, and this is what ACTIVair technology absorbs and breaks down.

ACTIVair technology is added to a number of British Gypsum products and systems including ThistlePro PureFinish plaster, Rigidur plasterboards, Rigitone and Gyptone ceilings. When installed, the ACTIVair technology within each of these products works to decompose formaldehyde emissions into nonharmful inert compounds, improving the air quality within buildings.





#### **OFF-SITE SOLUTIONS**

Looking for a speedy solution that meets energy efficiency requirements?

The Saint-Gobain Off-Site Solutions division offers expertise in design, supply chain and sourcing, delivered through a partnership approach with its five specialist brands - Pasquill, Roofspace Solutions, Scotframe and Intrastack.

Off-Site Solutions is dedicated to providing off-site construction solutions designed to make life on-site easier; helping our customers to save time, reduce costs and improve safety.

#### ROOFSPACE SOLUTIONS, I-HOUSE AND I-ROOF

#### Roofspace Solutions

i-House is a large format masonry construction system for housebuilders Manufactured with a width of 600mm seeking a speedy delivery and excellent and a thickness of 100mm, elements thermal performance. The large aircrete are designed to be craned into place blocks used reduce the amount of heat onto a bed of mortar on standard lost at thermal bridges, and can be foundations. Blocks are joined using watertight in under a week. The speed thin-joint mortar with 2mm (3mm) of build is increased when compared joints, providing an extremely airtight to traditional masonry delivery, with finish. the additional benefit of reduced time spent working at height, greater cost certainty and more consistent quality of FIND OUT MORE HERE build.

The i-House is manufactured off-site using a bigger and lighter variant of the aircrete block, which is lifted by crane and assembled in a similar sequence to a timber frame build. This results in a much faster construction process than a traditional build.



Intended for domestic property construction of up to three storeys, i-House consists of inner leaves of external cavity walls, separating walls, floors, lintels, cavity closures, insulation and roof trusses, with the inclusion of soffit and fascia for the internal skin of the property.

#### **i-ROOF<sup>™</sup> SOLUTION**

Usable space on the top floor is often a way of future proofing homes. Roofspace's room-in-roof solution, i-Roof<sup>™</sup>, is ideal for 2.5 storey homes. With recent innovations such as integrated solar panel preparation, alongside the use of high performance insulation, i-Roof<sup>™</sup> can support additional living space requirements helping to deliver the sustainability goals of a Future Homes Standard project.

The i-Roof<sup>™</sup> system includes the walls, floors and roof cassettes required to construct the additional living space, complete with insulation and plasterboard. i-Roof<sup>™</sup> is installed by our trained and professional teams, who manage the process from start to finish.

With multiple installations possible in a single day, the use of i-Roof<sup>™</sup> ensures rapid delivery of a high performance roof system, in a safe and controlled way. In addition, the i-Roof<sup>™</sup> system reduces time spent working at height, and has been designed with the safety of site teams in mind.





#### SCOTFRAME: TIMBER-FRAME HOMES

#### Scotframe

Timber frame is considered one most versatile and sustainable forms of construction. It ensures high quality and accurate construction and considerably shortens the build programme.

Scotframe has pioneered the development of high performance closed panel insulation systems. Both the Valutherm+ and Thermistud systems include pre-fitted insulation that is maintenance free, as well as the inclusion of critical vapour control membranes, service zones and externally fitted battens. This ensures a high performing fabric achieving 0.13 W/m<sup>2</sup>k.

All Scotframe timber comes from sustainable sources with audited chain of custody.



#### INTRASTACK: LIGHT GAUGE STEEL FRAME



Light gauge steel frame construction can deliver fast, adaptable and costeffective buildings at multi-storey heights.

The Intrastack offer is designed to further enhance these strengths through the application of offsite manufacturing principles. By implementing Intrastack, the need for teams to deliver on-site construction is dramatically reduced, as well as providing improvements in build quality, greater speed of installation, and lower on-site risk.

#### PASQUILL: SUPPLIER AND MANUFACTURER OF ROOF TRUSSES, FLOOR JOISTS AND TIMBER FRAME EXTENSION KITS

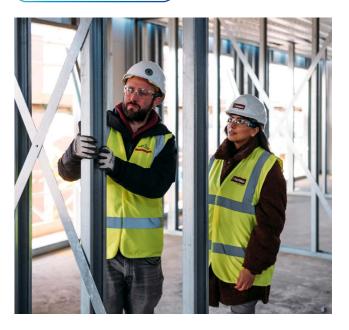
#### 

Engineered roof solutions provide many benefits including speed of installation and construction with high levels of accuracy. With nationwide coverage, Pasquill offers a variety of high-quality roof trusses.

Roof trusses, also known as trussed rafters, greatly reduce the amount of time spent installing the roof structure. The vast majority of cutting-in and lining associated with traditional roof construction is eliminated.

Pasquill offers a just-in-time delivery service, so that a large amount of storage space on-site is not required. Designed with our customers in mind, Intrastack's solution can be adapted to suit each project.

FIND OUT MORE HERE



Their expert local teams are on hand to develop design plans and create quotes specific to each project.

Pasquill's expertise in manufacturing timber floor solutions with quick and easy installation offers outstanding benefits, resulting in efficient design systems with I-joists, posi-joists and floor cassettes.



## **HOW CAN SAINT-GOBAIN HELP SELF-BUILDERS?**

If you're a first-time self-builder looking for support, Saint-Gobain UK and Ireland can support you through the journey from planning and design stages through to the materials and build.

Check out Saint-Gobain's dedicated self-build website, which features a range of inspirational content to help self-builders to plan, design and build the best, most comfortable, highperforming and inspiring homes.

How do I find land? What do I need to budget for? Saint-Gobain's selfbuild website has plenty of answers and is packed with blogs, real-life case studies, product solutions, downloadable guides and a free Self-Build Manager to help you stay on track.

VISIT SAINT-GOBAIN'S SELF-BUILD WEBSITE HERE

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## **BUILD YOUR DREAM HOME** WITH SCOTFRAME

Scotframe provides whole timber kit packages, supporting you from start to finish in building your forever home. Scotframe has pioneered the development of closed panel insulation systems, which many self-builders opt for as they are faster to erect and can achieve excellent airtightness levels.

Scotframe can provide a wide range of different designs to suit budgets, tastes and space requirements as well as a range of design and architecture services to help create exactly what you need.

VISIT SCOTFRAME'S HOME DESIGNER HERE

It can be hard to imagine your dream house but Scotframe's Home Designer can help to bring this to life through 3D models of nine house styles - complete with windows, doors, external render, roof materials and internal features. You can take the reins and build your own home online. Scotframe also offers an in-house service to provide 3D images and visualisation including complete walkthroughs to provide the complete feel for the conceptual design of the building, and illustrate and display ideas and environments.

efficient.



## **VISUALISE YOUR SELF-BUILD**

Scotframe's in-house architectural team can support self-builders with obtaining the necessary approvals to get a project started, from supplying basic planning drawings for the local authority planning office through to producing sap calculations and elemental U-Values to ensure your property is thermally

## **CUSTOMER TRAINING**

With so many specialist products on offer, Saint-Gobain has dedicated training to support its customers to create high performing buildings of the future.

Saint-Gobain brands British Gypsum, Gyproc, Isover, PAM and Weber present flexible training options including online videos and classroom courses to suit a variety of learners.





For example, each Internal Wall Insulation system is supported by Saint-Gobain Interior Solutions Specialist installer training courses to ensure that products are installed to meet standards.

Saint-Gobain also offer a comprehensive loft insulation online training course, which is designed to give contractors and installers an understanding of building physics including why insulation is required, condensation issues and the importance of ventilation.

Customers can also book Continuing Professional Development (CPD) at their workplace or location of choice to support their development and knowledge. These include Weber and Ecophon's RIBA (Royal Institute of British Architects) approved CPD seminars and presentations.

FIND OUT MORE ABOUT SAINT-GOBAIN'S TRAINING OFFER



## **GET IN TOUCH WITH SAINT-GOBAIN TODAY**

Saint-Gobain designs, manufactures and distributes materials and solutions for the construction, mobility, healthcare and other industrial application markets. Developed through a continuous innovation process, they can be found everywhere in our living places and daily life, providing wellbeing, performance and safety, while addressing the challenges of sustainable construction, resource efficiency and the fight against climate change.

This strategy of responsible growth is guided by the Saint-Gobain purpose, "MAKING THE WORLD A BETTER HOME", which responds to the shared ambition of all the women and men in the Group to act every day to make the world a more beautiful and sustainable place to live in.

Saint-Gobain in the UK and Ireland includes some of the best-known and respected companies in the construction sector including: British Gypsum, Saint-Gobain Glass, Weber, Isover, Glassolutions, Saint-Gobain PAM and Ecophon. Together they offer a range of high performance energy-saving products and solutions to help create great living places and improve daily life.

For more information visit: www.saint-gobain.co.uk

(f) sgukinfo@saint-gobain.com

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