


HARMONY

Roof Trusses - Open Web Joists - Timber Frame - Spandrel Panels - Engineered Beams




HARMONY
TIMBER SOLUTIONS
Sustainable Engineering with Timber

. . .

Behind every great project there is a great supplier

. . .

CONTENT

ABOUT US

“ Our flexibility and ability to adapt to different requirements, tight deadlines, difficult builds and changes to legislation makes us the perfect choice for all of your timber frame needs. ”

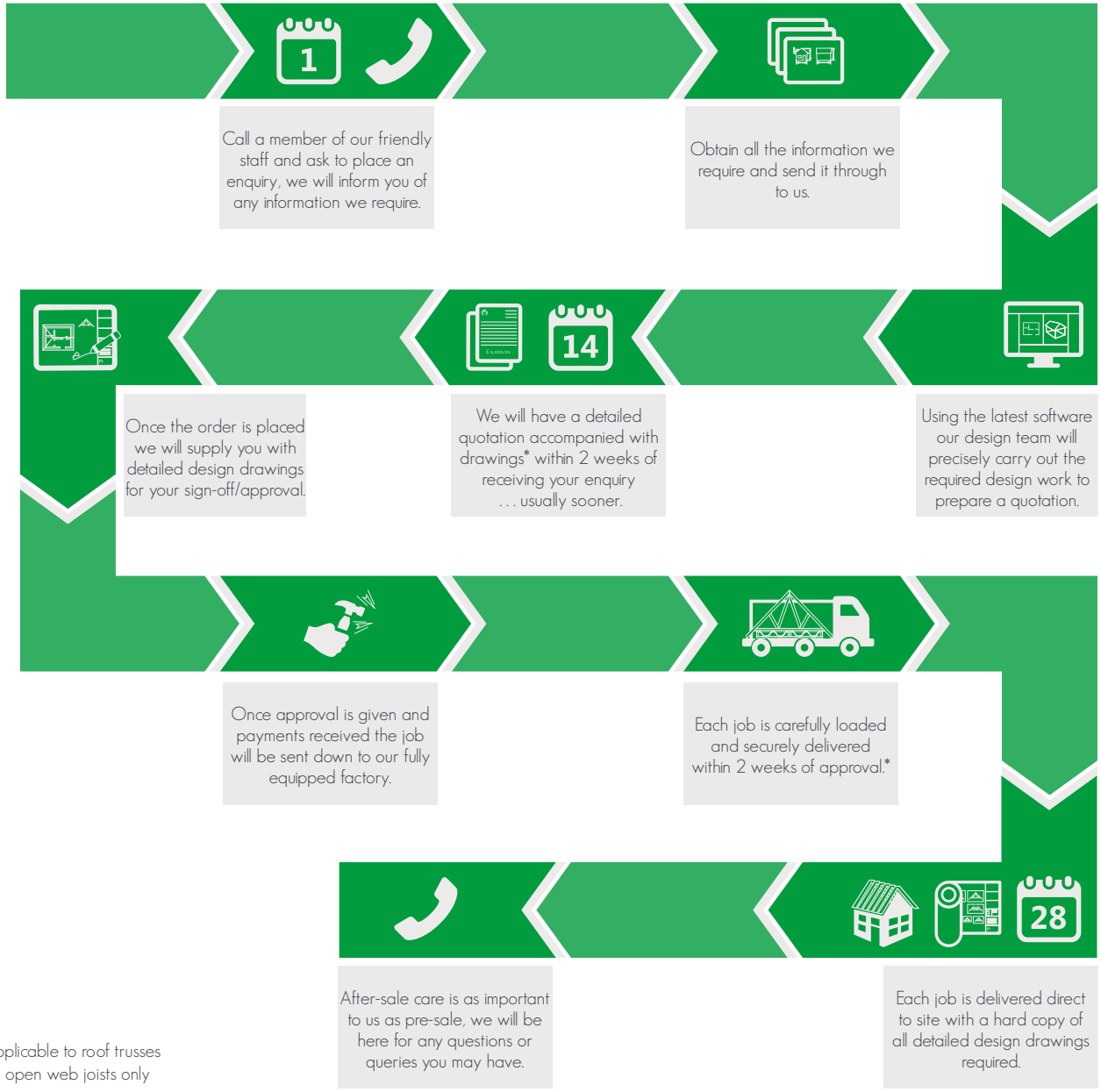
We are proud of our reputation within the timber frame industry as both practitioners and innovators; supporting developers, self-builders and specialist builders.

A proven management team, in Wicklow, Ireland, we have an exceptional knowledge of both timber engineering and energy efficiency in modern methods of construction, Harmony Timber continues to grow and deliver high quality products and services.

Ireland Office

Block A
Avoca River Park
Arklow
Co. Wicklow
Y14 XR66

T (+353) 0402 235 28
E info@harmonytimber.com



* Applicable to roof trusses and open web joists only

TIMBER FRAME

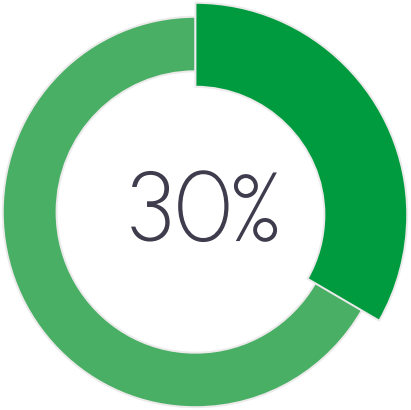
Full technical information available upon request

Scan QR Code for 3D Interactive model of Timber Frame Structure
Or visit www.skfb.ly/6GAly

Applying modern design and manufacture methods to one of the oldest forms of construction allows us to produce exceptionally accurate, air tight, durable structures which meet the most stringent regulations with excellent performance characteristics.

The practical and economical advantages of this product, combined with the reduced carbon footprint and sustainability, make timber frame housing a highly viable and beneficial construction method worldwide.

“ They were extremely professional, helpful and competitive. ”



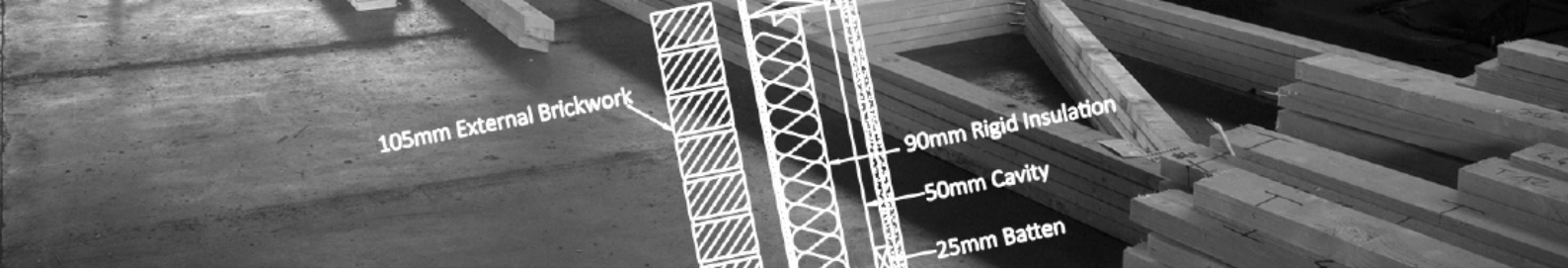
With a typical 2 storey house our clients benefit from an approximate 30% saving on construction time.

This stretches to 50% on 4 storey houses.

Within a working week a fully erect and water tight structure can be achieved.


Balbriggan, Irl


Bromley, UK



Each feature of our timber frame panels are purposely specified to give a high quality, valuable and hassle free solution.

Understanding the end users needs, our experienced team can provide an option which best suits their requirements. We realise that these needs span further than the material specifications, that's why we offer full design and engineering services, quality assurance, site visit assistance, erection services and technical guidance.

Open Panel

Open panel construction has been evolving over the last 40 years. An open panel is studwork sheathed with Ply or OSB with a breathable, waterproof membrane fixed to the outside. Insulation is then fitted after installation, before a vapour proof barrier is tacked into place and then internal lining with plasterboard.

Dover, UK

Full fitting services

We pride ourselves on the high quality of our construction teams.

We provide Timber Frame fitting teams which have a unique quality regarding their attention to detail and pride in their workmanship.

We also provide strict quality checks on site which ensure that our timber frame kits are fitted in accordance to our entire standard and bespoke details for each project.

Greystones, Irl

Timber Frame Features	Timber Frame Benefits
Factory built	Reduced site waste - No offcuts, less clean-up!
Renewable materials	Environmentally friendly - Keeping your project as green as possible!
Thermal & insulation options	Energy efficient - Reducing heat loss, saving on utility bills!
Air tightness	Increased energy efficiency - Even further savings on utility bills!
Reduced labour times	Earlier introduction of other trades - Progress to interior work sooner!
Speed of construction	Greater cost savings - Less time on site, time is money!

OUR WALL OPTIONS

For more technical information and for bespoke options please contact our technical department

Exemplar / A1

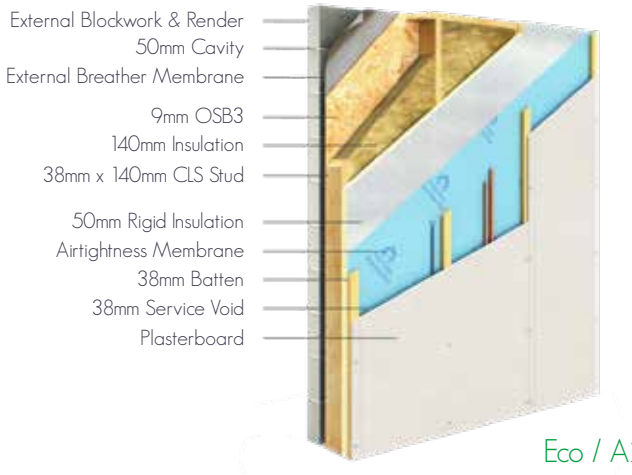
U value - 0.12W/m^{2}K
Overall Width - 440mm

Urban / A3

U value - 0.21W/m^{2}K
Overall Width - 347mm

Minimal U value

We test our panels for a U value rating to give a quantifiable measurement of the heat loss performance.
The lower the U value, the lower the heat loss and the higher the level of insulation.



Eco / A2

U value - 0.14W/m^{2}K
Overall Width - 397mm

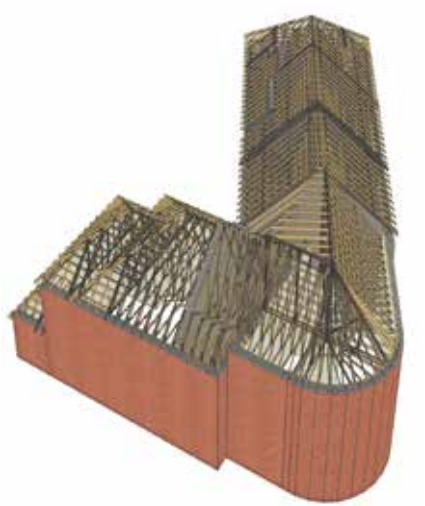
Superior airtightness

Every closed panel features a continuous seal which eliminates unintentional air leaking in or out of the building, resulting in; lower heating bills, well performing ventilation systems and fewer draughts.

ROOF TRUSSES

Full technical information available upon request

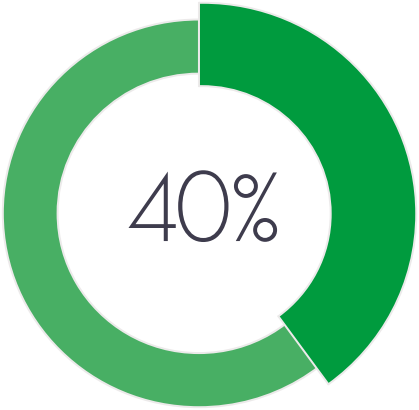
Scan QR Code for 3D Interactive model of Roof Truss Structure
Or visit www.skfb.ly/6GAVD



Roof trusses continue to be the most popular form of roofing for modern developers, from extensions and small builds for home owners to retirement homes and residential developments for national builders.

We are proud of our growing reputation for quality assurance which originates from our trusses being designed and manufactured to the highest standards using the latest advancement in technology and equipment.

“ Innovative and competitive in their design and price, understanding and flexibility in their service and delivery. ”



Roof trusses use up to 40% less timber than traditional roof structures.

Each truss is analysed to obtain the most economic, low timber usage solution; this combined with the dramatic reduction of site waste gives the structure the lowest environmental impact possible.


Kildare, Irl

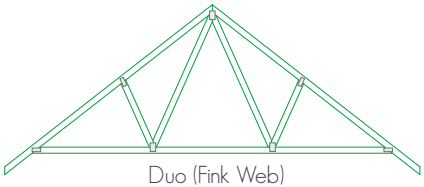

Croydon, UK


London, UK

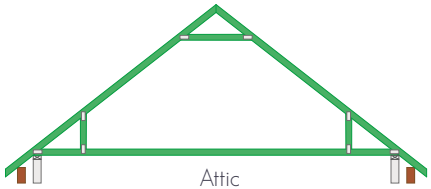
The versatility of roof trusses knows no bounds. From standard mono trusses offering a simple structure to the most complex attic, raised tie or stubbed trusses; our design teams experience and innovativeness allows them to offer solutions to the most complex roof structures.

Using TR26 graded timber, our trusses benefit from a low carbon footprint, exceptional strength and high quality.

Every quote is supplied with a layout drawings and profiles of each truss type used, giving the client a clear understanding of our proposal.



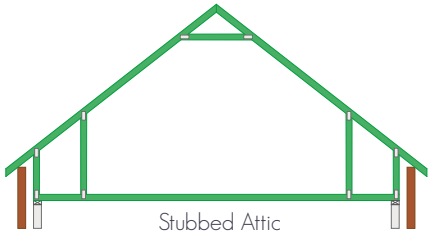
Duo (Fink Web)



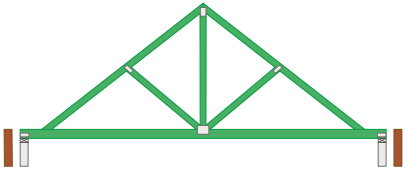
Attic

Raised Tie

Mono



Stubbed Attic



Extended Bottom Chord

Every member of our truss design team is fully trained and able to use the most advanced software when designing and analysing the roof structure to Eurocode 5.

Designing to new Eurocode 5 regulations, our design team can offer the most efficient and workable solution possible.

The software offers a real time 3D visualisation which is used to give our clients a clear interpretation of what we are proposing.

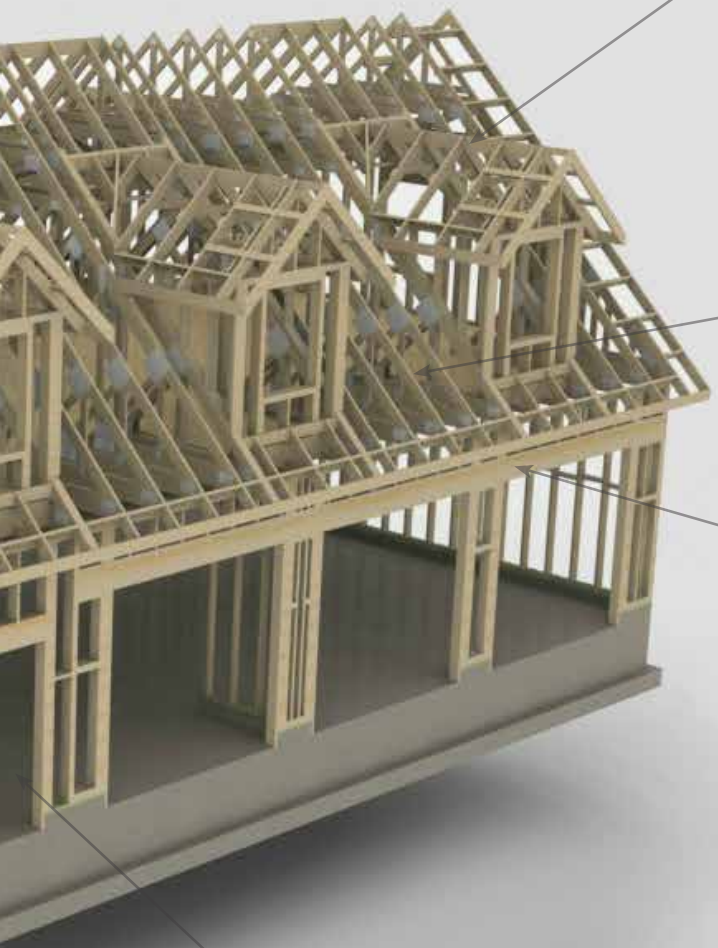
We encourage our clients to visit our offices to outline plans they have, discuss their project with our design team, resolve any questions or queries they may have and help make a complex structure clearer.

Loose Timber
Supplied with roof kits when trusses are not feasible
(more roof truss info pg 8 - 9)

Gable Ladder
Prefabricated and supplied with roof kits
(more roof truss info pg 8 - 9)

Gable panel
With pre-fabricated window opening
(more gable panel info pg 14 - 15)

Timber frame
Open panels shown, closed panel options also available
(more timber frame info pg 4 - 7)



Dormer material
Available in loose
timber or pre-fabricated

Attic Trusses
Straight run, offering a
'room in the roof' solution
(more roof truss info pg 8 - 9)

Engineered Timber Lintel
Pre-cut to size or cut to size on site
(more laminated beam info pg 16 - 17)

Timber frame
With pre-fabricated door opening
(more Timber frame info pg 4 - 7)

Just Add:

External brickwork

Roofing materials

Windows & doors

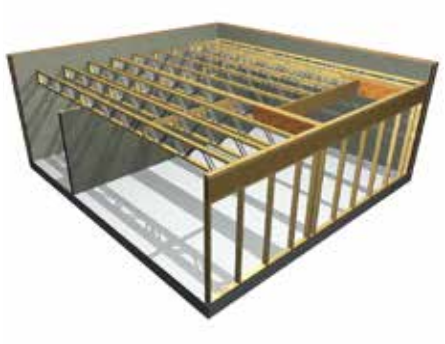
Stairs

Electric & plumbing

OPEN WEB JOISTS

Full technical information available upon request

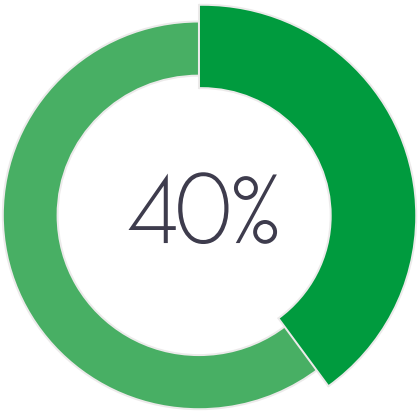
Scan QR Code for 3D Interactive model of Open Web Joists Structure
Or visit wwwsktfb.ly/6GALA



Ranging from 202mm to 421mm deep and up to 12m long, our open web joists offer an adaptable, lightweight, durable and smart solution for any flooring requirements.

The aspect of this system which helps maintain its position as the most favorable flooring product for house builders worldwide is the large clearing between the struts, offering space for plumbers, electricians and heating contractors to utilise.

“ They provide a fast, friendly and efficient service from designs, through to delivery on site. ”



Combining the strength of metal struts with the lightness of timber allows our open web joists to be an extraordinary 40% lighter than comparable solid joists.

The advantages of a light product are obvious; easier handling, minimised requirement for lifting equipment, faster installation and reduced labour time.


Loading Area


Canterbury, UK

Using the latest software, our experienced design team can find a solution for any requirements, with each design being fully engineered and analysed, eliminating the need for costly engineers calculations or input.

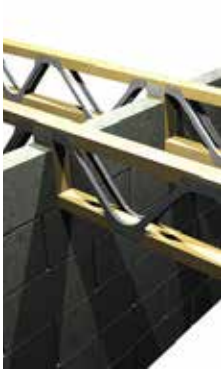
Open web joist applications span further than traditional methods, offering a feasible solution for flat roofs and large flooring areas, where extra strength or service space is required.

All quotes offer floor decking as an optional extra, giving our clients the ability to purchase the required materials from one source with a delivery to suit their needs.

Built in

Hanging with restraint

Internal bearing

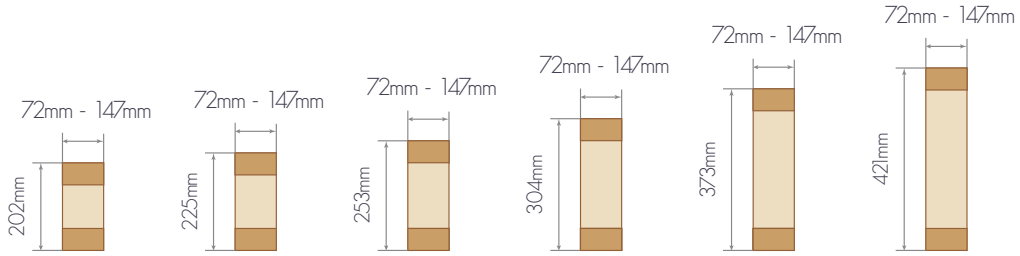


Internal bearing w/ block

Strongback bracing

Corner pipe

Offering our open web joists at a vast range of depths and widths gives us further options when designing the floor structure and allows us to offer the most economic, lightweight and low timber usage solution; made to measure to reduce site wastage.



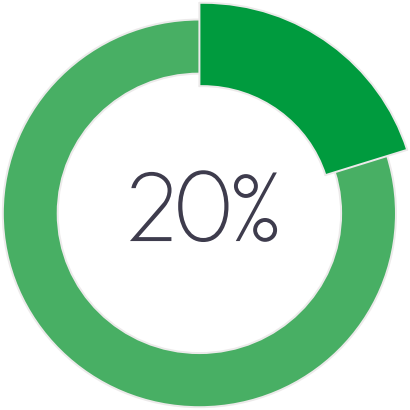
SPANDREL PANELS

Full technical information available upon request

Spandrel and gable panels make it possible for our clients to fully erect the entire roof structure in one operation; saving time, cutting costs, reducing scaffolding requirements and minimising the health and safety issues associated with building high gabled walls in blockwork.

Through offering these panels, our clients benefit from dealing with one trade, removing organisational issues of managing multiple trades.

"Harmony's ability to provide cost effective solutions to challenging design issues has really made them stand out among their competitors."



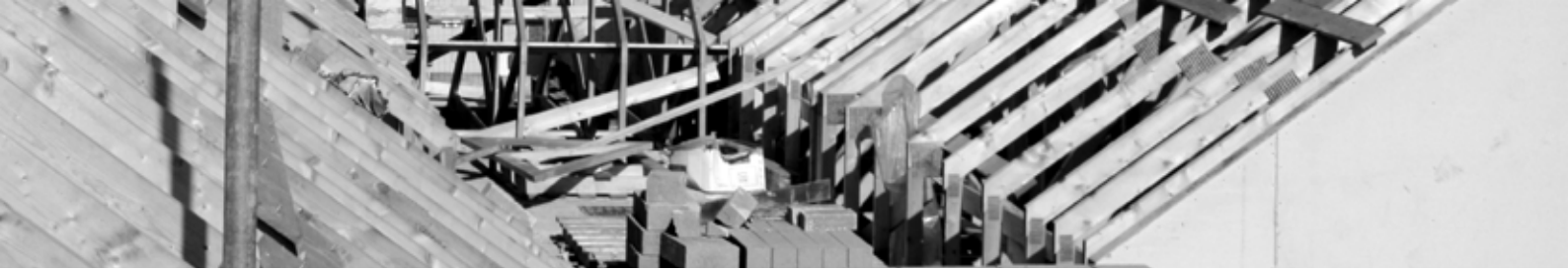
With each panel our clients benefit from a minimum of 20% cost saving compared to traditional masonry methods.

The more complex the roof structure, the greater the saving and reduced chance of on-site issues.


Naas, Irl

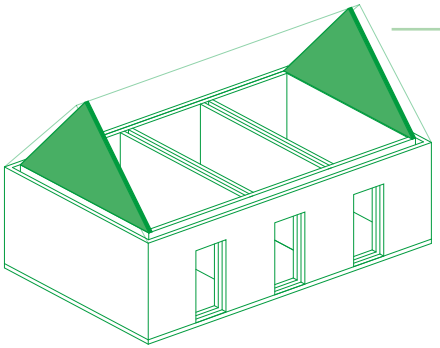

Dublin, Irl


London, UK



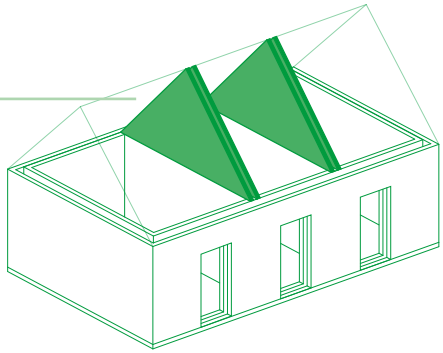
Manufactured by our Timber Frame department, the panels benefit from acoustic and fire properties whilst still offering a bespoke solution to the end user. Our clients benefit from a fully designed and engineered product, tailored to the exact dimensions of the roof trusses we supply.

Deliveries are made to suit the clients time plan. Each panel is securely wrapped in protective film with lifting straps attached to make installation as safe and secure as possible whilst still protecting the product.



Gable panels sit on top of the wall plate at the gable end of a roof structure.

Spandrel panels create a fire break wall between 2 or more adjoining units.



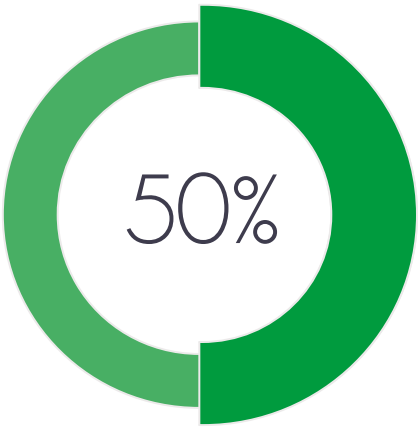
ENGINEERED BEAMS

Full technical information available upon request

Laminated beams offer a replacement for steel beams and other structural support at a fraction of the cost whilst still boasting up to 90 minutes fire resistance. Further to these functional benefits, these beams possess an incomparable natural and warm aesthetic beauty.

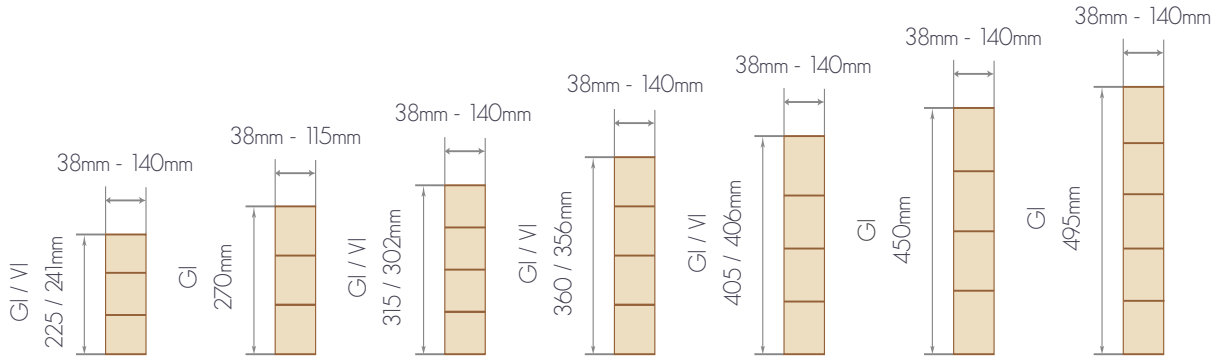
We use both Glulam and Versa-Lam beams, dependant on the project requirements.

“ Professional in their approach and helpful in the design and specification of projects we have been involved with. ”



Through utilising structural benefits of each layer of timber, this engineered timber is up to 50% stronger than solid sawn timber.

Laminated beams are also 33% lighter than steel and 83% lighter than concrete, making it much more manageable on site.



. . .

Sustainability, durability and feasibility are the 3 main aspects of any structural project

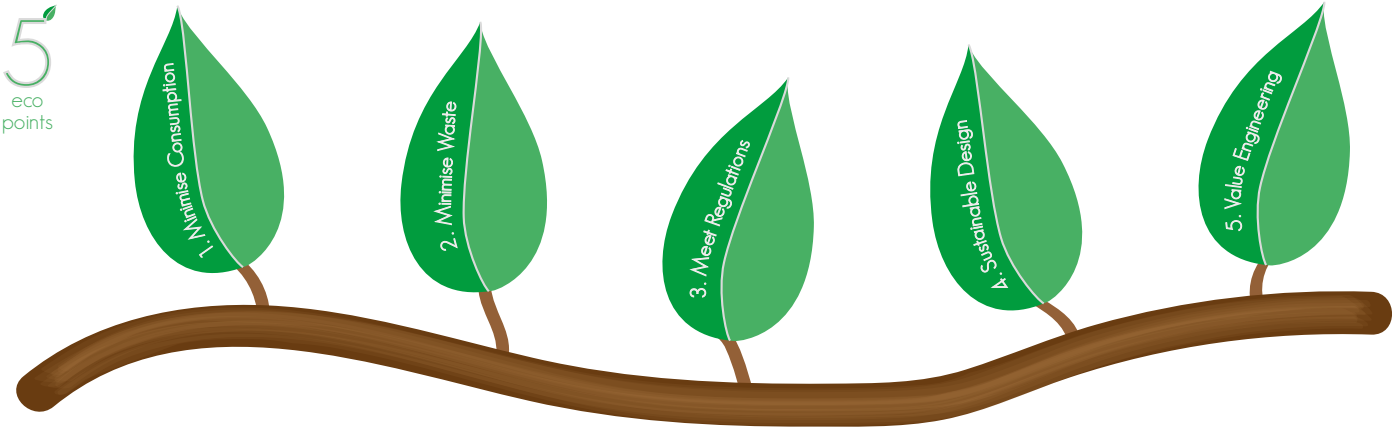
. . .

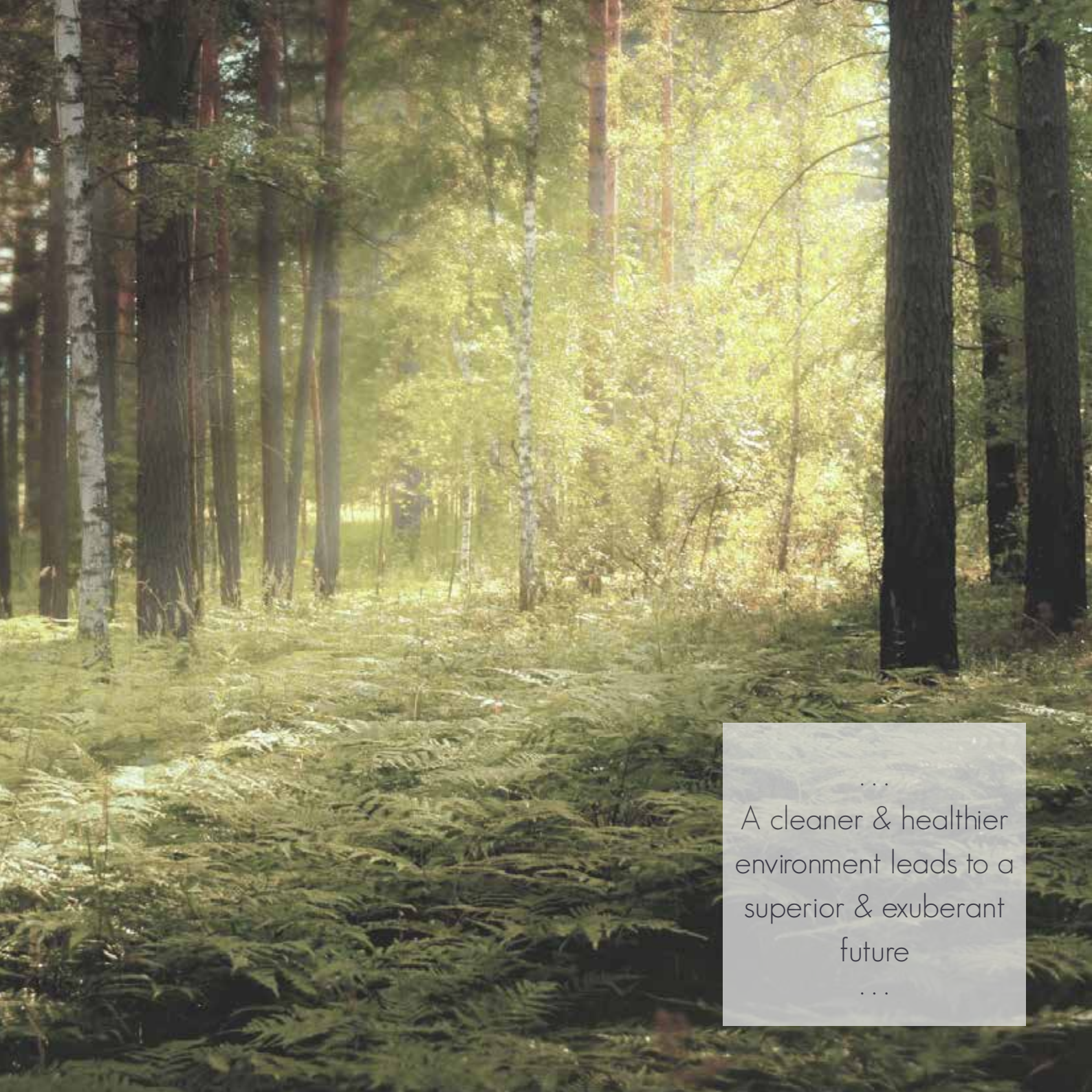
ENVIRONMENT

Full environmental policy available online

We understand that being environmentally conscious within our trade is absolutely essential and that when managed correctly, timber is a fully renewable resource.

The environmental impact becomes a factor in every decision we make and we encourage every member of our staff to consider and implement our '5 eco points' whenever and wherever possible to ensure our company maintains and exceeds our environmental standards.





. . .

A cleaner & healthier environment leads to a superior & exuberant future

. . .

CONTACT US

Our office & factory put customer service at the forefront of their work ethics and believe whether working with national house builders, regional house builders, building contractors, builders merchants or self builders, the positive relationship between the client and our business is paramount.

With our modern, fully equipped factory, we can cater for projects across Ireland and where possible encourage our clients to visit for face to face discussions with any member of our team.

Ireland Office

Block A
Avoca River Park
Arklow
Co. Wicklow
Y14 XR66

info@harmonytimber.com

When our clients have a question or query we provide the necessary means to make sure they receive the feedback required at the first instance where possible.

Whether making an enquiry, giving dimensions, approving a design, placing an order, querying delivery options, after sales care or simply checking on the development of a job, we make it our duty to get the information our client requires, as precise and as soon as it is possible.

Attended Phones
08:00 - 17:00

Ireland Office

Timber Frame, Roof Trusses, Open Web Joists & Engineered Beams:
(+353) 0402 23528

Scan QR Code to be directed to our website
Or visit www.harmonytimber.com

(National Standards Authority of Ireland) Operating under the NSA of Ireland Act (1996), NSAI are accountable to the Minister for Jobs, Enterprise and Innovation.
www.nsai.ie

(Trussed Rafter Association) TRA is the leading body dedicated to this product sector and is actively concerned with regulatory and other standards, health and safety and environmental issues.
www.tra.org.uk

The Irish Timber Frame Manufacturers' Association (ITFMA) is an independently constituted company and the recognised representative body for Timber Frame Manufacturers on the Island of Ireland
www.itfma.ie

Ireland Office **T:** (+353) 0402 23528 **E:** info@harmonytimber.com **A:** Block A, Avoca River Park, Arklow, Co. Wicklow, Y14 XR66