



## Residential Solutions

### Making a Case for **Light Steel Frame**...

Contemporary, traditional, affordable homes or simply one of a kind

[www.frameclad.com](http://www.frameclad.com)

**FRAMECLAD**  
SFS

Making a Case for **Light Steel Frame...**



Contemporary, traditional,  
affordable homes or  
simply one of a kind



The Chocolate Factory

With its powerful combination of safety, strength and affordability, **light steel frame** is a cost-effective option for **residential** construction projects.

From affordable homes to high-rise apartments and low-rise private developments to unique self-build designs – our light steel framing systems offer a sustainable structural solution for your project – whatever the size and scope.

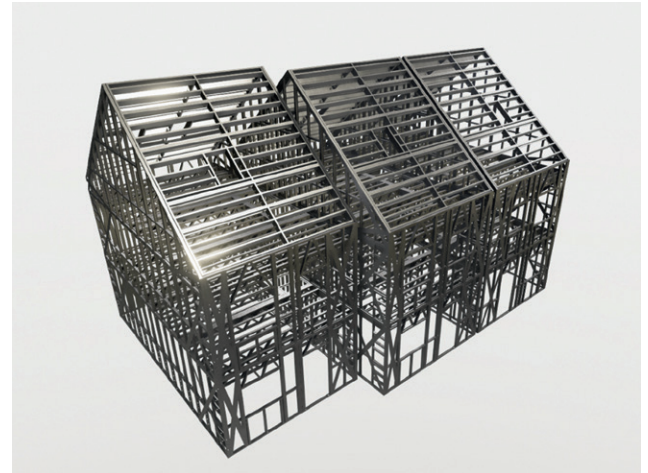
### So Why Choose Light Steel Frame?

As a Modern Method of Construction (MMC), it is a fast and efficient way to build. Robust and non-combustible, light steel frame does not shrink or warp. Meeting Building Regulations and the new Building Safety Standards, our light steel systems are BOPAS Certified and according to the Steel Construction Institute, have a design life in excess of 250 years.



# Affordable & Social Housing

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Since the launch of the new housing targets, Local Authorities, Councils and Affordable Housing Providers are facing a massive challenge to deliver quality, safe and energy efficient homes on budget and on time.



## **Economic Gains of Light Steel Frame**

Keeping tenants safe, since the Building Safety Act came into force, light steel frame is becoming the preferred choice for housing projects. Non-combustible and more robust than timber frame, light steel creates highly airtight buildings reducing energy costs for tenants for the lifetime of the homes.



With no shrinkage or settlement, our light steel systems deliver residential buildings with longer lifespans without the need for remedial works and repairs. The stability of steel also leads to major reductions in long term maintenance cost – a major consideration for cash strapped Local Authorities and Social Landlords.

**Offering a more cost effective option, one cubic metre of light steel produces around three homes whilst the same volume of timber is simply not enough to complete a single house.**



Check out our social housing case studies here: [www.frameclad.com/case-studies/centenary-house](http://www.frameclad.com/case-studies/centenary-house)

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# High-Rise Apartments

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Fire safety during construction and when the building is in use is a significant issue with some forms of construction, particularly in developments above 18 metres. Our steel frames are especially well-suited for meeting the rigorous requirements of the Buildings Safety Act.



The Chocolate Factory



The Chocolate Factory



Langley Square

Reducing the fire load of residential buildings above 18 metres.



**Loadbearing Systems**

Exploiting offsite manufacturing techniques, we produce precision engineered loadbearing systems with the capability to go up to nine storeys and beyond. From reducing foundations to delivering a faster return on investment, the true benefits our light steel loadbearing systems lie in the invisible cost savings that early engagement with our team of engineers and designers can bring.

**Infill Systems**

A revolutionary infill solution for primary concrete and steel mainframes, LEAF – is a Lightweight Engineered Adjustable Frame developed by our highly skilled in-house design and engineering team. In line with our ‘fit first time’ approach, the genius of this innovation is its simplicity. With a patent application pending, LEAF has been tested in real world applications and will transform the light steel frame infill market.



Find out more about our high-rise developments here: [www.frameclad.com/case-studies/abbotts-site](http://www.frameclad.com/case-studies/abbotts-site)

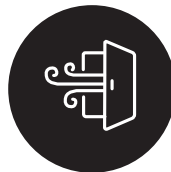
# Private Housing Developments

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Construction finance can be expensive, and the building programme duration is critical to costs. It is the speed of construction delivered using our steel framed panels or modules that can dramatically decrease the programme schedule. Reducing the borrowing period can dramatically cut the interest paid and total project costs.

## Avoiding Overheating Issues

In addition to being strong and economical, light steel frames also provide excellent thermal insulation properties. This means that heat transfer from outside sources is kept to a minimum while internal temperatures remain constant to avoid overheating during the summer months. The frames have exceptional acoustic performance which makes them suitable for use in areas where noise pollution needs to be eliminated.







# Beautiful Bespoke Homes



Our light steel solutions offer architects the capability and freedom to create unique structures for exquisite self-build homes. With excellent structural performance characteristics, light steel can achieve expansive spans and carry a breadth of facade finishes to create contemporary or traditional bespoke homes.

## Sustainable By Design

Light steel's properties make it the ultimate sustainable construction solution in terms of its longevity, superior in-use performance and its ability to be recycled and reused. The self-build community is starting to understand the sustainability benefits of light steel framed homes. Achieving circular economy principles, steel has a unique characteristic as it can be reused and recycled repeatedly without losing its qualities as a building material. Our steel contains an average of 60% recycled content. However, we can use 'green steel' from 100% recycled steel and manufactured via renewable energy sources.

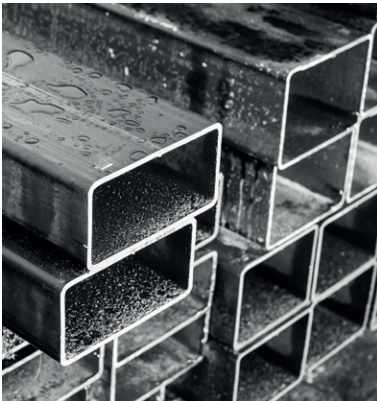


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# As industry trailblazers we don't mess around

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With a 'can do' attitude and in-depth technical know-how, the Framelad team are keen, fiercely competitive and are considered disrupters within the light steel sector.



## Looking for a **Light Steel Manufacturer** that ticks all the boxes?



**EXPERIENCE** – working nationally for 15 years, bringing a wealth of skills to the table



**APPROACH** – ‘can do’ attitude with the ability to tackle any job large or small



**ADAPTABLE** – keen to go that extra mile, with tailored consultancy services and flexible pricing structure



**AGILE** – fiercely competitive with quick turn-around times and the ability to make swift decisions



**TECHNICAL KNOW-HOW** – in-house expertise with a 14-strong team of designers and engineers



**DIGITAL ENGINEERING** – bespoke Tekla software offers complete traceability in line with ‘golden thread’ requirements. Enhanced visualisation through augmented and virtual reality



**CUTTING EDGE TECHNOLOGY** – advanced offsite manufacturing delivers precision engineered light steel systems, delivered to site ready for fast-track installation



**MANUFACTURING** – one of the largest ranges of steel sections available in the UK today



**EXTENSIVE SUPPORT** – regional teams assist with specification and compliance of SFS systems



**ADDED VALUE** – through expert design, precision manufacturing and on-time in full delivery



**EVIDENCE** – fire tested with major board manufacturers with a growing suite of fire test and performance data



**INDEPENDENT VALIDATION** – BS EN 1090-1: 2009 + A1:2011, BOPAS Accreditation, CE Certified, and SCI / NHBC Stage 1 System Certification Infill Walling



**BUILDING SAFETY** – fully compliant steel framing systems subject to rigorous safety standards

# Happy to help

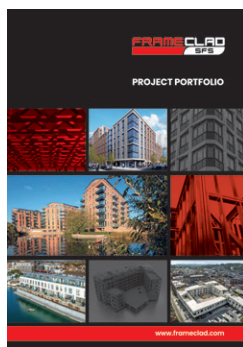
With an in-house team of 14 highly knowledgeable engineers and designers, we have the capability and technical know-how to tackle any project large or small. If you are interested and want to find out how we can bring safety, speed and a better return on investment to your project get in touch...

Give us a call **01384 401114**

Why not download more of our literature from [www.frameclad.com](http://www.frameclad.com)



Corporate Overview



Project Portfolio



Fire Test Data 2025



Standard Details

Proud members of:



[www.frameclad.com](http://www.frameclad.com)



JANUARY 2025