



TIMBER FRAME CONSTRUCTION

This one-day course is written to provide practical information on all aspects of timber frame construction. It explores reasons why timber frame has become such a popular method of building and aims to provide a better overall understanding of timber frame during design, the construction phase and in use.

Course content

- Industry overview
- Design for durability
- Building regulations
- Foundations
- Level thresholds
- Walls
- Air tightness
- Thermal bridging
- Party wall thermal bypass
- Fire safety
- Services and linings
- Acoustic performance
- Differential movement
- Cladding

Who should attend?

- Architects
- Building contractors
- Developers
- Building inspectors
- Timber frame manufacturers
- Quantity surveyors
- Clerk of works

Course dates and locations

- 20 March - BM TRADA, High Wycombe
- 25 April - Element, Wednesbury
- 6 June - BM TRADA, High Wycombe
- 16 July - Element, Wednesbury
- 19 September - BM TRADA, High Wycombe
- 17 October - Element, Wednesbury
- 27 November - BM TRADA, High Wycombe

Price

Course only:

£290 + VAT (non TRADA members) / £260+ VAT (TRADA members)

Course + Timber Frame Construction 5th edition publication:

£335 + VAT (non TRADA members) / £305 + VAT (TRADA members)

TIMBER FRAME CONSTRUCTION FOR ENGINEERS

This course looks at the fundamentals of timber frame construction from an engineering perspective and will help engineers and designers involved in the industry to gain an in-depth understanding of how these systems work.

The day starts with an introduction to the concept of timber frame, identifying various methods of construction, design detailing and best practice guidance on how these components should correctly merge to give a trouble-free building.

The afternoon session builds upon the understanding gained in the morning with engineering input and design examples to support the concepts discussed. Delegates will also be introduced to the relevant design standards, including Eurocode 5.

Course content

Timber frame construction:

- Types of timber construction – timber frame, SIP, Engineered timber (CLT and GLT)
- Methods of construction – open panel, closed panel and volumetric
- System components/element build-ups – studs, rails, OSB, insulation, SIP etc
- Differential movement – what is it and issues with structural design
- Manufacture of elements – specifications for fixings, element sizes etc
- Connection details – methods of connecting and jointing panels and other elements together

Timber engineering:

- Principles of timber engineering
- Guidance on standards (both British and European)
- Timber and related materials and product characteristics
- Fasteners and connections, standards, guidance and pointers
- Element design to British and European standards
- Concept of racking and building stability
- Design examples

Who should attend?

- Engineers
- Timber frame designers

Course dates and locations

- 16 May - BM TRADA, High Wycombe
- 29 November, BM TRADA, High Wycombe

Price

Course only:

£290 + VAT (non TRADA members) / £260+ VAT (TRADA members)

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OUR TRAINERS

Robin Lancashire

Senior Timber Frame Consultant

Robin has extensive on-site experience providing advice on best practice construction to all areas of the timber frame industry. Robin is a co-author of Timber Frame Construction 5th Edition, regularly provides talks on timber frame construction at national building exhibitions and conferences and provides technical articles for trade journals.

Lewis Taylor

Timber Frame Consultant

Lewis provides independent third-party checks on timber frame buildings for architects, their clients, main contractors and building owners. In addition, Lewis provides technical assistance on thermal performance, thermal bridging and low energy building design. Lewis is a co-author of Timber Frame Construction 5th Edition and regularly provides talks on timber frame construction at national building exhibitions and conferences.

Dr Keerthi Ranasinghe

Guest trainer

Keerthi is a structural engineer currently working as a Senior Lecturer at The University of Wales Trinity Saint David in Swansea. Keerthi sits on the BSI committees B/525/5 (Eurocode 5: Timber Engineering), B/525/1 (Eurocode 1: Actions) and B/525/-/32 (Fire). He is also the UK representative on the European Standardisation Committees CEN/TC250/SC5/WG4 (Timber – Fire) and CEN/TC250/SC5/WG5 (Timber – Connections). Keerthi is a member of the TRADA Advisory Committee and is the author of the TRADA publication 'Span Tables' and the 2nd edition of TRADA/IStructE Eurocode 5 Manual.

FOR FURTHER INQUIRIES

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ABOUT BM TRADA

BM TRADA, part of the Element Group, specializes in providing a comprehensive range of independent testing, inspection, certification, technical and training services. We help organizations to demonstrate their business and product credentials and to improve performance and compliance.

We exist to help our customers to make certain that the management systems, supply chain and product certification schemes they operate are compliant and fit for purpose.