



green oak in construction

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NEW from TRADA Technology

green oak in construction

An illustrated technical guide to the use of oak in modern structures

Peter Ross, Christopher Mettem and Andrew Holloway

NEW

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Forestry Commission



green oak in construction

Written by Peter Ross (ARUP), Christopher Mettem (TRADA Technology) and Andrew Holloway (Green Oak Carpentry Company)

Green oak in construction is a four-colour technical guide to the use and performance of oak in modern structures.

Aimed at designers, specifiers and engineers, the book describes the whole process of designing a building based on a green oak frame and explains how the frame will behave over time. It also includes:

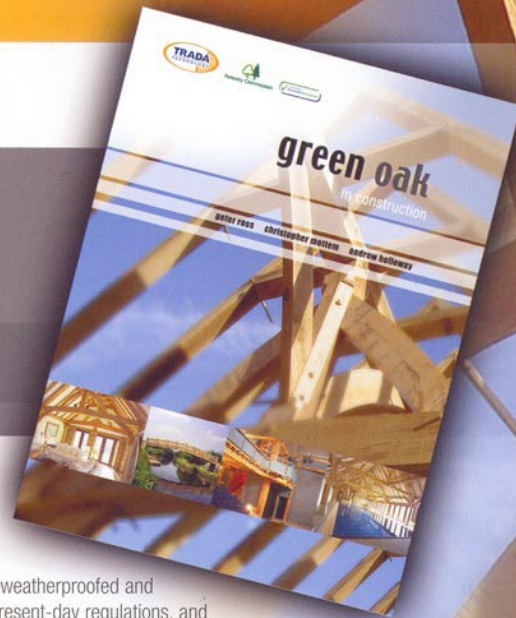
- ▶ Eleven case studies
- ▶ Numerous colour photographs and instructive diagrams
- ▶ Comprehensive information on specifying green oak
- ▶ Design data and grading rules

Oak frame is capable of being weatherproofed and insulated in accordance with present-day regulations, and there are significant environmental advantages, which make it attractive to use in a contemporary context.

Published by TRADA Technology, and supported by the Forestry Commission and Scottish Enterprise, **Green oak in construction** features eleven case studies demonstrating best practice and inspirational design in public, commercial and domestic structures:

Stirling Castle Roof ▶ New roof to the South Transept of York Minster ▶ Darwin College, Cambridge ▶ National Maritime Museum (cladding) ▶ Globe Theatre, London ▶ The Downland Gridshell ▶ Bedales School, Olivier Theatre ▶ Abingdon School Boathouse ▶ Mill O'Braco (house) ▶ Bridges.

The publication provides advice and encouragement to all those engaged in a thriving sector of the building industry.



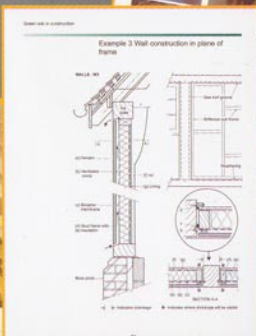
Contents

- ▶ Introduction ▶ Green oak past and present ▶ The supply of green oak
- ▶ The properties of oak ▶ Design of green oak structures
- ▶ The green oak framing process ▶ Enclosing green oak structures
- ▶ Exterior uses of green oak ▶ Case studies on: Historic reconstruction; Traditional models; Modern frames; Innovative frames and Exterior uses.
- ▶ **Appendix I** Specifying oak for traditional framing
- ▶ **Appendix II** Green oak strength grading rules
- ▶ **Appendix III** Engineering design data

Price

- ▶ TRADA members - £45.00 + P&P
- ▶ Non-members - £65.00 + P&P

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January 2007



View sample pages of **Green oak in construction** and a selection of colour photographs featured in the book, along with further information at www.trada.co.uk/greenoakinconstruction

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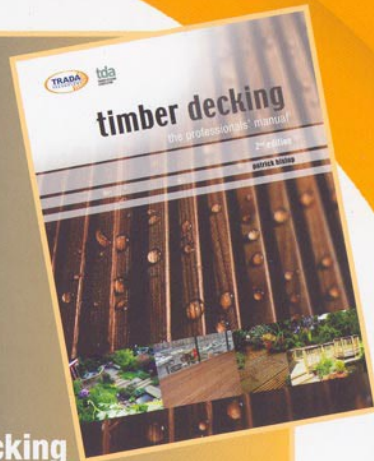
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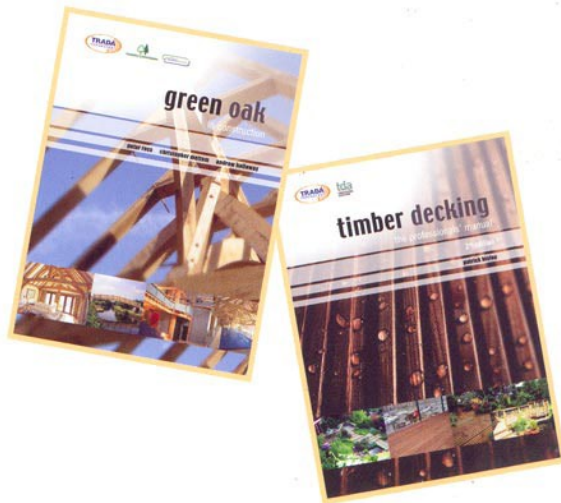
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