

1 RADSTOCK COTTAGE, READING, BERKSHIRE, RG6 5UN

SPECIFICATION OF AIR-DRIED OAK

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1. TIMBER PROCUREMENT

Timber to be obtained from well managed forests/plantations in accordance with:

- The Laws governing forest management in the producer country or countries.
- International agreements such as the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).

Provide either:

- Documentary evidence (with independent verification) regarding the provenance of all timber supplied.
- Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber.

2. GRADING OF TIMBER

Timber to be graded by a company currently registered under third party quality assurance scheme operated by a certification body approved by the UK Timber Grading Committee.

3. SPECIES

All oak timbers to be European Oak.

4. STRENGTH CLASS

Minimum strength class D30 (BS 5268-2).

5. GRADE DESIGNATION

- All timbers to be free from Heart Rot, Brown Rot, Brown Stain
- All timber to be free of ring or star shakes
- All timber to be free from infestation
- All timber to be free from fungal decay
- All timber to be free from mechanical damage

Timber must meet B (TRADA) grading as the following table as a minimum.

	Grade Designation
	B (TRADA) 'Special Framing'
Live knot size (max)	33%
Dead knots	N/A
Slope of grain	1:10
Wane	12%
Sapwood	Acceptable for interior use
Bow (Over 2m)	10mm
Spring (over 2m)	8mm
Twist (over 2m)	1mm per 25mm width

6. CONTROL OF MOISTURE CONTENT

- All timbers to be numbered and logged with moisture content taken prior to all work starting, during the works and on completion of the framing. Moisture content readings to be sent to the Engineer.
- Moisture content when framing is completed to be 24% or less before finishes are applied, for external timbers and 20% or less for internal timbers.
- To control the moisture content, protect the completed frame elements in a watertight environment with good ventilation, assisted with mechanical fans if moisture content is greater than 24% for external timbers or 30% for internal timbers.

7. PEGGED JOINTS

Oak pegs to be riven air-dried European Oak.

8. STEEL CONNECTORS AND PLATES

Where indicated on drawings steel connectors and plates are to be stainless steel.