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MODEL CLAUSES FOR CIVIL ENGINEERING WORKS

SECTION 163

MAINTENANCE AND REPAIR OF STUCTURAL TIMBER

Contents		Page
163.001	Inspection	2
163.002	Design of repairs to structural timber	2
163.003	Repairs to structural timber generally	3
163.004	Resin repairs	3
163.005	Workmanship relating to maintenance and repairs	3
References	British Standards	5
	Model Clauses	5

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SECTION 163

MAINTENANCE AND REPAIR OF STRUCTURAL TIMBER

Inspection

163.001 The scope and limits of the structural survey shall be as identified in **Appendix 163/1**, and shall include investigation of structural timber plus the fasteners and fittings.

Survey of structural timber shall include the following:

- (i) dimensions of each element and the structure as a whole and the size and type of fasteners and fittings,
- (ii) species and strength grade of timber for each element,
- (iii) condition to include items such as splits, fungal decay, mechanical damage, general appearance, condition of the fasteners and fixings,
- (iv) details of any damage including where known cause, location and extent, and origin,
- (v) moisture content of the timber and the service class in accordance with BS 5268-2, Table 1 and BS EN 1995-1-1 (Eurocode 5) clause 2.3.1.3. and the hazard class to BS EN 335-1 in which it is located,
- (vi) load assessment both static and dynamic,
- (vii) advisability of monitoring damage,
- (viii) repair recommendations.

Where practicable, the survey shall provide guidance on the remaining useful service life of components/structures.

All survey works shall be carried out by a specialist(s) experienced in similar work. Evidence of the specialists' experience shall be provided, including Curricula Vitae of the personnel proposed to carry out the repairs.

A factual and an interpretative report of the survey in accordance with Section 23: Structural repair survey shall be submitted to the Employer's Representative prior to any repair works being commenced.